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A Few Hints on
Gardening



MORRIS & SNOW SEED CO.
439 S. MAIN ST. LOS ANGELES

Read Before Ordering

HOW TO ORDER BY MAIL

Your Name and Address in full should be plainly written on each order. Be sure to give the R. F. D. and box number or street address.

Cash with Order. The proper way is to send remittance in full to cover amount of your order and postage. We send orders C. O. D. by Post, Express or Freight only if 25 per cent of the amount of order is enclosed. **Plants we never send out C. O. D.**

Shipping. We will use our best judgment as to the best way of sending orders when specific directions are not given. We advise sending large "postpaid" orders by express if you have an office near—it is safer. We prepay either postal or express charges on items quoted "postpaid." **Poisons and liquids** are not mailable.

Seeds by Mail. We send by mail or express prepaid all orders for flower and vegetable seeds (except beans, corn, and peas.) We do not pay postage or express charges on onion sets, field seeds, clovers, grasses, bird seeds, beans, corn, peas, tools or plants, unless enough money is sent to cover these charges. Correspondents in **foreign countries** should add 12c for each pound or fraction thereof for postage. Canadian postage is 16c per pound.

For **C. O. D. parcels** there is a charge of 10c to cover registration and insurance and an additional charge at the delivery end for the money order returned.

NEW PARCEL POST RATES

Size and Weight

A Parcel Post package may weigh from eight ounces to fifty pounds for the first and second zones—with a twenty pound weight limit for third to eighth zones, and must not exceed in size 72 inches in length and girth combined. Small packages of seed or bulbs, weighing 8 oz. or less, one cent for each 2 oz. or fraction, to any office in U. S.

Weight	1st Zone		2nd Zone	3rd Zone	4th Zone	5th Zone	6th Zone
	Local Rates	Zone Rate 50 Miles	50 to 150 Miles	150 to 300 Miles	300 to 600 Miles	600 to 1000 Miles	1000 to 1400 Miles
1 lb.	\$.05	\$.05	Same	\$.06	\$.07	\$.08	\$.09
2 lbs.	.06	.05		.08	.11	.14	.17
3 lbs.	.06	.07	as	.10	.15	.20	.25
4 lbs.	.07	.07		.12	.19	.26	.33
5 lbs.	.07	.09	1st Zone	.14	.23	.32	.41
6 lbs.	.08	.10		.16	.27	.38	.49
7 lbs.	.08	.11	5c for	.18	.31	.44	.57
8 lbs.	.09	.12		.20	.35	.50	.65
9 lbs.	.09	.13	1st lb.,	.22	.39	.56	.73
10 lbs.	.10	.14		.24	.43	.62	.81
11 lbs.	.10	.15	additional	.26	.47	.68	.89
12 lbs.	.11	.16		.28	.51	.74	.97
13 lbs.	.11	.17	lbs. 1c	.30	.55	.80	1.05
14 lbs.	.12	.18		.32	.59	.86	1.13
15 lbs.	.12	.19	per	.34	.63	.92	1.21
16 lbs.	.13	.20		.36	.67	.98	1.29
17 lbs.	.13	.21	lb. to	.38	.71	1.04	1.37
18 lbs.	.14	.22		.40	.75	1.10	1.45
19 lbs.	.14	.23	50 lbs.	.42	.79	1.16	1.53
20 lbs.	.15	.24		.44	.83	1.22	1.61

7th Zone—1400 to 1800 miles from mailing office, 1st lb. 11c, and additional weights 10c per lb.

8th Zone—Over 1800 miles, 12c lb., any weight up to 20 lbs. This zone includes Mexico and all countries in the Postal Union.

TO OUR OUT OF TOWN CUSTOMERS

We would be pleased to have you call when in the city, and make yourself known and make our store your headquarters while here. Often we can help you assemble your purchases and make one shipment.

OUR BULB DEPARTMENT

For a number of years we have made these a specialty, and for the past 3 years have imported bulbs by the carload, thus enabling us to furnish bulbs at the cheapest possible price, and buying direct from growers we get the highest quality produced. Get our prices and order early.

OUR NURSERY DEPARTMENT

We have a well equipped nursery and are growing a great variety of ornamental plants, etc. With our long experience in handling this class we can pack for shipment anywhere.

OUR TWELFTH YEAR

January, 1918, marks the start of the twelfth year that we have been doing business in Los Angeles, and each year has seen a good advance over previous years. Our earnest endeavor is to supply the best the market affords.



War Savers are Life Savers

Buy U. S. WAR SAVINGS and THRIFT STAMPS—at Stores, Banks or Postoffice

Help Your Country Win the War

OUR BULB CATALOG

And Cultural Directions for California will be mailed on request to any one interested. This is ready about August 1st of each year. These Cultural Directions are specially prepared for California and are worth much to you if you wish to succeed with bulbs. Send for it—free.

For Seeds, Plants, Bulbs, Etc.

Please send the following goods as per address and instructions herewith,
and for which find enclosed \$.....

To (Name)
(Miss or Mrs.)

City County

No. State.....
(R. F. D. or Street)

Express or Freight Station.....

Date State your preference by Post,
Express or Freight.

We give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any Seeds, Bulbs or Plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

MORRIS & SNOW SEED CO.

On an order amounting to not less than \$1.00 remitted for seeds in packets or ounces, if accompanied by this coupon order sheet, you may select additional seeds in packets and ounces only to the amount of 25c.

This coupon is good **only** for seeds in packets and ounces, and not on orders for plants, hardware, bulk seed and other goods.

Good only for the year 1918.

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(OVER)

EXTRA ORDER SHEETS AND RETURN ENVELOPES FURNISHED ON REQUEST

NAME OF ARTICLE WANTED

Brought forward

POSTAGE

Garden Seeds priced by the packet, ounce, one-fourth pound and pound are postage paid. Peas, Beans, Onion Sets, Corn, Grass and Field Seeds and Sundry Articles are not postpaid. In ordering one pound lot, add ten cents per pound for postage and packing, and on larger quantities apply parcel post charges.

DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.
within the U. S. and Possessions

	First pound or fraction	Each additional pound or fraction
First Zone, Los Angeles or 50 miles thereof	5c	1c
Second Zone, within 50 to 150 miles	5c	1c
Third Zone, within 150 to 300 miles	6c	2c
Fourth Zone, within 300 to 600 miles	7c	4c
Fifth Zone, within 600 to 1000 miles	8c	6c
Sixth Zone, within 1000 to 1400 miles	9c	8c
Seventh Zone, within 1400 to 1800 miles	11c	10c
Eighth Zone, all over 1800 miles	12c	12c

Please do not ask questions on this Order Sheet, but kindly write them and all communications requiring an answer on a separate sheet of paper and inclose with your order. Be sure that your Full Name and Address are on Both Letter and Order.

This space is for remarks about your order.

Would appreciate list of your neighbors interested in good seed.

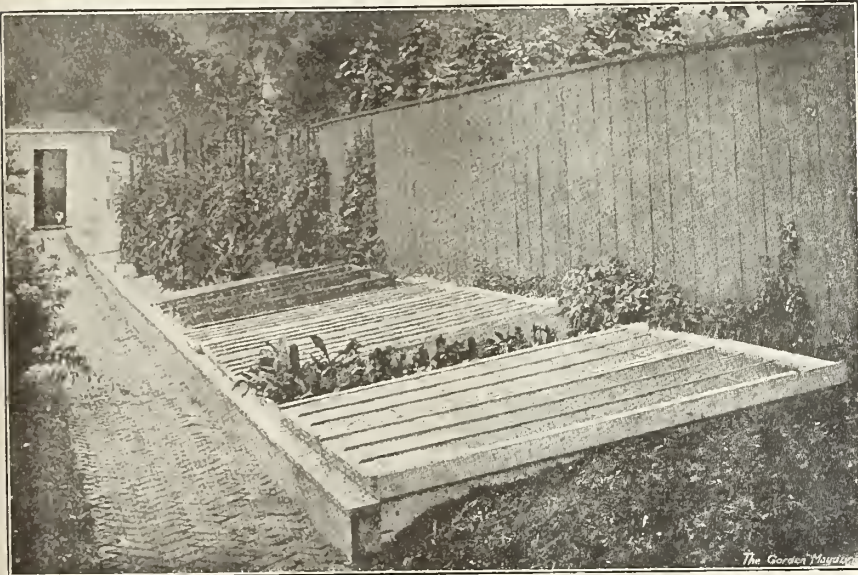
Calendar of Planting Operations

DON'T work freshly wet ground

DON'T set Plants or Roots without watering at once

DON'T plant Seeds or Bulbs in dry ground

DON'T let weeds grow



A Cold Frame Constructed for Glass or Cloth

HOT BEDS

There are several aids to the economical management of the garden which are almost indispensable. The most important of these is the Hot Bed for forwarding seedlings for early planting. Compared with the gain in time and the satisfactory results obtained, the trouble is very slight, while for early vegetables for the market it is imperatively necessary. The Hot Bed is made in this way: Get a quantity of fresh horse manure, and mix thoroughly with about half its bulk in straw, rotten leaves, etc., tramping it down in successive layers. In two or three days fermentation will be apparent by the escape of steam from the heap. Turn the heap over again and allow it to remain two or three days longer, or until the second fermentation begins. Then prepare a pit 2½ feet deep the size of the bed you propose. It should be in some dry sheltered spot, facing the south if possible. The glass sashes are generally made 6 feet long by 4 feet wide, and a bed of one sash will give early plants enough for a large family. The Frame should be 18 inches high at the back and 12 inches in front—this gives the proper slope to catch most sunlight. When everything is ready the manure is placed in and trodden down firmly in layers to the required depth—about 2 feet. Then keep the sash closed till the heat rises. It will be too hot to sow the seeds now, but in two or three days it will subside to about 90 degrees, when soil may be put on to the depth of 6 to 8 inches. The soil should be well-rotted sods mixed with fine old manure in equal parts, and in this the seed may be sown thinly in drills 2 or 3 inches apart, and afterwards either thinned out or transplanted to another part of the frame. Air must be given every mild day by raising the sash at the back. The same directions apply to Hot Beds made on the surface of the ground, except that the manure should be at least a foot wider on all sides than the frame.

THE COLD FRAME

Is just the Hot Bed without the manure heap. Fill the frame with rich

good soil—that taken from old hot beds mixed with the fine rich manure from them is best. It should be got ready in Autumn and young Pepper, Tomato, Egg Plant and Cucumber plants set in it so that they get well established before cold weather. During cold nights and stormy days the sash should be kept closed—in mild days the air should be admitted freely.

JANUARY

Flower Garden. If possible before spading have a good thick dressing of stable manure applied and spaded under. See to the sweet peas that were planted in September and October. Carefully hoe them and hill up a little. Prepare hot bed for planting half hardy plant seed, plants and cuttings. Make another planting of sweet peas and all hardy annuals.

Vegetables. Presuming that you covered your ground with stable manure before the early rains, would advise working this into the soil as soon as possible, either by spading or plowing not less than 8 inches deep. If there has not been enough rain to put the soil in proper condition to work (there should have been at least 3 inches of rain), you should irrigate your ground, for your planting season is almost upon you and well prepared soil means your crop half made.

Plant Beet; Swiss Chard; English Broad Beans; Carrot; Lettuce; Onions; Radishes; Spinach; Turnips; Early varieties of Potatoes; Early Pea. In protected spots Canadian Wonder Beans might be tried. Sow seed of Broccoli, Cauliflower and Cabbage in beds. Set out plants of this last group of Vegetables, also Asparagus, Horse Radish and Rhubarb. Hoe and hill up any growing crops and keep all weeds down as they sap the food from the growing vegetables.

FEBRUARY

Flower Garden. This is really our spring month. Plant nearly everything in hardy annuals and perennials. Thoroughly work up the sur-

face of soil after each rain, and keep it mellow, which will hasten the growth. Plant our Gladiolus and Tuberoses, Yellow Callas, Anemones, Ranunculus and Japanese Lillies, Iris, etc. Plant Sweet Peas for late flowering, all the varieties of annuals and Perennial Poppies. Look after all Carnations and if over two years old should be replaced with young plants. Carnations can be planted any time of year, but this is a good time for planting to get strong plants for fall and winter blooming.

Vegetables. By the first of this month your whole garden patch should be spaded or plowed up, and raked or harrowed down making a fine mulch on the surface that the moisture may be retained. After each rain storm, when your soil gets to the right condition work it up again with your cultivator (a Norcross Cultivator is a superior tool for this purpose in the home garden) in this manner continuing the mulch and keeping your soil in excellent condition for the growth of your plants with a minimum of irrigation. If you want your ground put in a finer condition we find that a five tined Potato hook is an excellent implement. During this month nearly everything can be planted.

Put out plants or roots of Asparagus; Green Globe Artichokes; Cabbage and Cauliflower; Chives; Garlic and Onion Sets; Horse Radish and Rhubarb. For Seed, plant Artichoke Asparagus any variety; Canadian Wonder Ventura Wonder and Broad Windsor Beans; Carrots; Cauliflower; Chervil; Collards; Chicory and Pepper Cress; Extra Early Adams Corn; Dandelion; Endive and the Herbs; Kale; Onions; Leek; Peas; Parsley; Parsnips; Winter Crimson Rhubarb Seed sown now will produce next winter; Radish; Salsify; Turnip. The last of this month get your seed beds ready for Celery. Look after stuff in the Hot Beds and cold frames, they should be tended every day. If the days are very cold, watering with warm water often helps your young plants along. See that the Sweet Potatoes are not rotting, if so, there is still time to put in more. Put in early varieties of Tomatoes.

MARCH

Flower Garden. Plant Gladiolus and Tuberoses for succession. This is the best garden month in the year for California, and all kinds of work is in order. Also weeds make big growth this month. Look out and keep them out of garden. Plant Antirrhinum Intermediate Stocks. (This Stock if planted now will bloom in September and October when flowers are scarce. You can successfully plant nearly everything in the flower, shrub and tree line; nearly all danger of frost is past by the 15th of this month, and all work should be carefully pursued and secure all the help needed to do it up promptly, as a little neglected this month may mean considerable loss later. Plant Roses and all hardy bush stuff. Be sure and try our Giant Comet Aster—best that money will buy.

Vegetables. During this month your garden will be filled to overflowing so to speak. If one is not careful, by this time, everything already planted is making a showing and the tendency is to put in more. Thin out your beets, carrots and all subjects that haven't room to make their natural

size without crowding. Young beets the size of a walnut with their tops make fine greens.

For succession plant Beet; Carrot; Early Corn; Turnip; Radishes; Cabbage; Lettuce; Spinach or Peas may be sown. Plant Early Beans. Kentucky Wonders may be put out the last of the month if it is warm. This is the month that more Potatoes are planted than any other month of the year, plant all varieties. White Rose are the best for Southern California. Set out your Cabbage, Cauliflower, Pepper, Tomato, Egg Plants and Sweet Potato Plants, and Onion and Garlic Sets. Plant Early White Bush and Fordhook Squash, Peas, Musk Melons and Water Melons. MORRIS & SNOW'S Special White Spine Cucumber and most varieties of seeds.

APRIL

Flower Garden. Renew your hanging baskets that have not stood the winter well, by getting new ones, those injured by the cold should be discarded. You can now plant Dahlias, also Gladiolus. If your supply of Aster plant is short, there is yet lots of time to get them in flower. Use our Branching for late, Comets for medium season, and Dwarf for early flowering. Our Asters are fine.

Vegetables. This is a month full of work, everything should be making rapid growth, especially weeds which continuous hoeing and cultivating only will keep down, and should there not be frequent showers, irrigating must be resorted to.

April is the best month for planting the more delicate crops as we often have killing frosts up to the first of April. Have such as Sweet Potatoes, Egg Plant, and Tomato Plants ready to put out by the 15th. Sow seed of tender crops such as Cucumbers, Musk Melons and Water Melons; Okra; Roselle; Pole and Bush Beans in variety; Summer Squashes; Winter Squash. For the general garden you can still plant Artichoke and Asparagus, Beet; Carrot; Cannon Ball and Winningstad; Cabbage; Snow Ball Cauliflower; Sweet Corn; Celery; Herbs; Swiss Chard; Endive; Iceberg Lettuce; White Bunching Onion; Parsley; Parsnip; Radishes; Yorkshire Hero Peas; Rhubarb; Salsify; Spinach; Turnips.

MAY

Flower Garden. If you have been following our advice, you now have great quantities of flowers, but for fall-flowering sow Nasturtiums, Phlox, Salpiglossis, Centaurea, Dianthus and Mignonette now, and if you once try our Scabiosa you will wonder at its immense size. Also try our Digitalis, Campanulas and Delphinium. The last four are among our greatest specialties, all from finest stock.

Vegetables. The weather warms up this month and all vegetation attains its prime, much of the stuff that was planted early reaches its maturity. To get the most satisfaction from your home grown vegetables, use them before they are over ripe, pithy or stringy. It is much better to hoe up all old stuff and put that space into new crop.

Irrigation will no doubt begin in earnest in this month, give your ground a thorough wetting every two weeks. Plant Bush, Pole and Lima Beans; Carrots; Beets; Sweet and Field Corn; Squash; Pumpkins and Melons; Spinach; Radishes and Turnips. It is not too late yet to set out Sweet and Chili Peppers, Egg Plants, Cabbages, Cauliflowers; Sweet Potatoes and Stone and Beefsteak Tomato Plants.

JUNE

Flower Garden. Trim edgings of border and hedges and carefully attend the watering. Dahlias and Gladiolus may still be planted. Sow Eucalyptus seeds for winter planting.

Vegetables. The principal thing this

month is to keep your crops growing, cultivate thoroughly, stake up Pole Beans and Peas, hill up all growing crops, fill in vacant spaces with anything suggested for last month, but especially plant Beans and Corn, for succession.

JULY

Flower Garden. Continue to dig and store bulbs as they ripen. Trim edgings and hedge-rows and sow perennial flower seeds in shady situations. Continue sowing Eucalyptus and Cypress seeds. **Our finest Pansy and stock seed come in this month.** This seed is the best that money can buy and if planted this month will come in bloom for early fall.

Vegetables. This is one of the harvest months. As you clean off the ground, level and irrigate it thoroughly and put in shape for fall plantings. Plant Beans, Corn, Beet, Iceberg Lettuce, Radishes, Spinach and Peas. Sow Seed of Brussels Sprouts, Cabbage, Early Cauliflower, Peppers and Tomatoes for fall plantings. Early varieties of Potatoes may be put in the last of July.

AUGUST

Flower Garden. This is the best month in the year in which to sow hardy perennials. Most varieties if sown this month will flower the next year. Also sow Calceolaria, Cineraria, Pansy and Primula seeds. Continue growing Eucalyptus and Cypress seeds. Don't water Roses this or next month at all. Let them dry down. Be sure and get our Pansy, Stock and Centaurea seed now. Sow Sweet Peas this month for flowering during holidays. Use Morris & Snow's Pedigree Strain Christmas Flowering Sweet Peas.

Vegetables. August begins our second Spring, being that you will have to irrigate instead of depending on the rains. Make your main planting of fall Potatoes. Plant Bush Beans; Large Adams and Heath's Early Corn; Beet; Carrots; Swiss Chard; Endive; Kale; Kohlrabi; Iceberg Lettuce; Bermuda Onions; Parsley; Parsnip; Radishes; Spinach; Turnip; Peas, Summer Squash and Davis Perfect Cucumber in protected spots. Sow seeds of Brussels Sprouts, Cabbage and Cauliflower. Plant Tomatoes, Egg Plant, and Chinese Giant Pepper for Winter Crop.

SEPTEMBER

Flower Garden. Commence planting Hyacinths, Tulips, Anemones and other Dutch bulbs toward the end of the month. Prick off Calceolarias, Cinerarias and Primulas sown last month into small pots and continue sowing same for succession. Plant winter Sweet Peas. (See special list.) Also sow in all the hardy annuals and perennials. Our Pansies and Stocks, Scabiosa and Centaureas are the finest procurable. Plant now.

Vegetables. Make heavy planting in root crops for winter use. Plant Beets; Swiss Chard; Endive; Kohlrabi; Kale; Lettuce; Onions; Onion Sets; Parsley; Parsnips; Spinach and Turnips in variety. Peas planted now will be in for the holidays. In protected places also plant Canadian and Ventura Wonder Beans. Set out plants of Cabbage, Cauliflower, Tomatoes, etc., etc., of which seeds were planted a month or so ago.

OCTOBER

Flower Garden. Commence planting Hyacinths, Tulips, Narcissus and all Dutch bulbs as soon as they arrive. You should try our Tulips. We can furnish you these in varieties that will produce flower stems 12 to 16 inches long. These varieties are unknown to the general trade, and if you get them they will have to come from us. Sow Pansies again this month, also Stocks, Scabiosa, Winter

Sweet Peas, Phlox, Dianthus, etc., for winter flowering. Mulch and manure Roses and thoroughly water them, give lots of manure and you will have good flowers if you did not let them grow during last two months.

Vegetables. Watch your garden closely as the ground dries out very fast these autumn days. It takes much watering and cultivating to keep stuff growing. Transplant Cabbage, etc., to the open ground. Plant Beets, Windsor Broad Beans, Carrots; Swiss Chard; Endive; Chicory; Lettuce; Leek; Garlic Sets; Parsnip; Radishes; Turnip; Winter Spinach. Dig your Sweet Potatoes before the frost nips the foliage—frosted Sweet Potatoes lose their flavor and their keeping qualities.

NOVEMBER

Flower Garden. Continue planting Bulbs, such as Hyacinths, Narcissus, Tulips, etc. Get our special directions on their care in Southern California. Sow Pansy seed, Stocks, Phlox, Dianthus, Centaureas, etc., and place your orders for early supply of Roses, Carnations, etc. (Be sure and get our lists). Thoroughly mulch the garden with stable manure or fertilizer.

Vegetables. It is well to cover all unoccupied ground with stable manure as the rains should begin this month, and it is well to have the fertilizer on the ground before the rains come that you may get the full benefit of the leaching. Put out Chives and Rhubarb Roots, Plant Beets; Carrots; Broccoli; Cabbage; Cauliflower; Lucullus; Swiss Chard; Silverskin Onion; Parsley; Spinach; Radish; Turnip; Peas.

DECEMBER

Flower Garden. Finish planting Dutch Bulbs this month. Look about for your supply of hardy bedding plants—Roses, Salvias, Carnations, also plant Japanese Lilies, Pansies, Stocks, Sweet Peas, Phlox, Mignonette, Candytuft, Alyssum, Cosmos, etc. Thoroughly protect tender stuff.

Vegetables. It is well to be getting ready now for your early plantings. Have your ground all dug up 8 to 10 inches deep and well pulverized. Plant Windsor Beans; Turnip Beets; Cabbage and Cauliflower in variety; Carrots; Endive; Swiss Chard; New York Special and Wonderful Lettuce; Onion Seed and Sets; Radishes; Winter Spinach; Leek; Collards; Kale and Mustard. Strawberry; Rhubarb; Horse Radish and Asparagus Plants are ready for setting.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

MAIL ORDERS. If order is to go by mail, be sure to consult Parcel Post rates on items listed that are not post paid.

HOW TO ORDER BY MAIL

Your name and address in full should be plainly written on each order. Be sure to give the R. F. D. and box-numbers or street address.

CASH WITH ORDER. The proper way is to send remittance in full to cover amount of your order and postage. We send orders C. O. D. by Post, Express or Freight, only if 25 per cent of the amount of the order is enclosed. **Plants, we never send out C. O. D.**

SHIPPING. We will use our best judgment as to the best way of sending orders when specific directions are not given. We advise sending large "prepaid" orders by express if you have an office near—it is safer. We prepay either postage or express charges on items quoted "postpaid."

Liquid Insecticides and Poisons are not mailable so must go by express.

FIELD BEANS

Culture. In the case of growing beans without irrigation preparation should begin after the first good soaking rain that wets the ground to the depth of a foot or more. Plow thoroughly and deep; after each rain storm pulverize the surface to keep a fine soil mulch for retaining moisture. Continue this pulverizing until planting time which is from April 15th to June 15th. See page 6.

Commercial Beans

Write for Prices When Quantities Are Wanted

Southern California has for years been noted as a bean growing section on account of its ideal climatic and soil conditions. Bean growing has been a source of great wealth in the past but now and in the future beans will return more money than ever on account of the better price and expansion of planting area.

CULTURE—Beans grow in a variety of soils doing especially well on light top soil with limestone subsoil. On unirrigated lands bean culture requires practically the entire year so that only one crop can be grown. Deep plowing begins in the early winter; preferably after the ground has been soaked with a good rain; and thorough pulverizing. After each rain storm during the winter and spring the ground should be cultivated or harrowed to kill off the weeds and to keep a mulch for holding the moisture.

Under irrigation beans may follow another crop provided the ground can be prepared for planting by August 1st. Soak the ground thoroughly by flooding after the first crop is taken off and plow deep and thoroughly pulverize. Give the ground a good harrowing just before planting to kill any weeds that may have started; this is much cheaper and easier than having to hoe and cultivate after planting is done.

Drill the seed in rows about three feet apart. Set the drill according to the variety that is being planted.

CULTIVATION should begin with a small toothed cultivator when the fourth leaf makes its appearance. Three or four cultivations will carry the crop through, however one will have to use his own judgment depending on the season.

IRRIGATION of beans must be done with judgment and according to the condition of the growing crop and the soil. The vines should not want for water, still water should not stand around them for any length of time. Regular irrigation should be the order, once in ten days or two weeks.

HARVESTING should begin when the leaves turn yellow and are dropping freely. On acreage use a regular bean harvester constructed as a sled straddling two rows with long knives extending toward the center attached to the bottom of the runners. These knives cut the plants just below the surface of the ground and winnow the two rows of beans together. Let them partially dry then put in small bunches to thoroughly dry. Handle them as little and as carefully as possible as they shatter easily when dry. Have the beans thrashed as soon as possible by an experienced bean thrasher man. See that the machine is thoroughly clean before starting on a new lot as it costs money to hand pick beans and it is hard to sell them mixed. If one has only a small quantity of beans to thrash a flail may be used or tramp them out with horses attached to a disc harrow then put all through a fanning mill.

We have on hand re-cleaned selected stocks of the leading varieties of commercial beans, viz.: Henderson Bush and Lewis Lima; Tepary, Blackeye, Pink and Mexican Red; Lady Washington and Navy. 30c per lb. postpaid.

Number of Plants in Length 1 to 100 ft. Apart

Distance Apart	No. per mile	Distance Apart	No. per mile	Distance Apart	No. per mile
1 foot	5,280	10 feet	528	60 feet	88
2 feet	2,640	15 feet	352	65 feet	81
3 feet	1,760	20 feet	264	70 feet	75
4 feet	1,320	25 feet	211	75 feet	70
5 feet	1,056	30 feet	176	80 feet	66
6 feet	880	40 feet	132	85 feet	62
7 feet	754	45 feet	117	90 feet	58
8 feet	660	50 feet	105	95 feet	55
9 feet	586	55 feet	96	100 feet	52

Plants to an Acre at Regular Distances Apart

Distance Apart	No. per acre	Distance Apart	No. per acre	Distance Apart	No. per acre
3 by 4 inches.....	522,720	4½ by 4½ feet.....	2,150	14 feet by 14 feet.....	222
4 by 4 inches.....	392,040	5 feet by 1 foot.....	8,712	15 feet by 15 feet.....	193
6 by 6 inches.....	174,240	5 feet by 2 feet.....	4,356	16 feet by 16 feet.....	170
1 foot by 1 foot.....	43,560	5 feet by 3 feet.....	2,904	16½ by 16½ feet.....	160
1½ by 1½ feet.....	19,360	5 feet by 4 feet.....	2,178	17 feet by 17 feet.....	150
2 feet by 1 foot.....	21,780	5 feet by 5 feet.....	1,742	18 feet by 18 feet.....	134
2 feet by 2 feet.....	10,890	5½ by 5½ feet.....	1,440	19 feet by 19 feet.....	120
2½ by 2½ feet.....	6,960	6 feet by 6 feet.....	1,200	20 feet by 20 feet.....	108
3 feet by 1 foot.....	14,520	6½ by 6½ feet.....	1,031	25 feet by 25 feet.....	69
3 feet by 2 feet.....	7,260	7 feet by 7 feet.....	888	30 feet by 30 feet.....	48
3 feet by 3 feet.....	4,840	8 feet by 8 feet.....	680	33 feet by 33 feet.....	40
3½ by 3½ feet.....	3,555	9 feet by 9 feet.....	537	40 feet by 40 feet.....	27
4 feet by 1 foot.....	10,890	10 feet by 10 feet.....	435	50 feet by 50 feet.....	17
4 feet by 2 feet.....	5,445	11 feet by 11 feet.....	360	60 feet by 60 feet.....	12
4 feet by 3 feet.....	3,660	12 feet by 12 feet.....	302	66 feet by 66 feet.....	10
4 feet by 4 feet.....	2,722	13 feet by 13 feet.....	257		

Rule—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be number of square feet for each plant or hill, which divided into the number of square feet (43,560) will give the number of plants to the acre.

Seeds Required to Sow One Acre of Ground

	Lbs. to the acre		Lbs. to the acre
Alfalfa	25	Grass, Orchard	40
Asparagus	4	Grass, Italian Rye	30
Barley—broadcast	100	Grass, Red Top	30
Beans, Dwarf or Bush—hills.....	40	Grass, Timothy	20
Beans, Dwarf or Bush—drills.....	80	Leek	4
Beans, Tall or Pale—hills.....	35	Lettuce	4
Beet, Garden	6 to 8	Millet	40
Beet, Sugar	6 to 8	Hemp—broadcast	40 to 50
Beet, Mangel Wurzel.....	6 to 8	Melon, Water—hills	2 to 3
Broom Corn—drills	12	Melon, Musk—hills	2
Buckwheat—broadcast	45	Oats—broadcast	80
Cabbage—beds to cover an acre after transplanting.....	¼ to ½	Onions, for Dry Bulbs—drills.....	4
Carrot—drills	3	Okra	5
Cauliflower (same as cabbage)	¼ to ½	Onions, for Bottom Sets	75
Celery	¼	Onion Sets	400 to 600
Clover—White, alone—for lawn.....	100	Parsnip—drills	5
Corn, Sweet or Field—hills.....	15	Peas—drills	50 to 60
Corn, to cut green for fodder—drills or broadcast	125	Peas, broadcast	150
Cucumber—hills	1 to 2	Peanuts	30 to 40
Egyptian Corn	15	Potatoes—hills	500 to 600
Egg Plant	½	Pumpkin—hills	3
Endive	3	Radish—drills	12
Flax (when wanted for seed).....	30	Rye—broadcast	100
Flax (when wanted for fibre).....	50	Spinach—drills	12
Grass, Bermuda	10	Salsify	10
Grass Kentucky Blue (for pasture)	50	Squash, Bush Varieties—hills.....	4
Grass Kentucky Blue (for lawn)	250	Squash, Running Varieties—hills.....	3
Grass, Perennial or Australian Rye (for meadow)	40	Tomato—In beds to transplant.....	¼
Grass, Perennial or Australian Rye (for lawn)	200	Turnip and Rutabaga—drills.....	2
		Turnip and Rutabaga—broadcast	3 to 4
		Vetches—broadcast	100
		Wheat—broadcast	100
		Wheat—drills	75

Sowing Table for the Garden

Artichoke	1 oz. to 500 plants	Lettuce	1 oz. to 5000 plants
Asparagus	1 oz. to 60 ft. of drill, 500 plants	Melon, Water	1 oz. to 30 hills
Beans, Dwarf.....	1 lb. to 50 ft. of drill	Melon, Musk	1 oz. to 100 hills
Beans, Tall.....	1 lb. to 75 hills	Okra	1 oz. to 50 ft. of drill
Beet	1 oz. to 50 ft. of drill	Onion Seed	1 oz. to 100 ft. of drill
Broccoli	1 oz. to 2000 plants	Onion, Top Sets.....	1 lb. to 60 ft. of row
Brussels Sprouts.....	1 oz. to 2000 plants	Onion, Bottom Sets.....	1 lb. to 75 ft. row
Cabbage.....	1 oz. to 2000 plants	Parsnip	1 lb. to 100 ft. of drill
Carrot.....	1 oz. to 150 ft. of drill	Peas	1 lb. to 50 ft. of drill
Cauliflower.....	1 oz. to 2000 plants	Pepper	1 oz. to 1000 plants
Celery.....	1 oz. to 5000 plants	Pumpkin	1 oz. to 25 hills
Chicory.....	1 oz. to 100 ft. of drill	Radish	1 oz. to 50 ft. of drill
Corn.....	1 lb. to 150 hills	Salsify	1 oz. to 50 ft. of drill
Cress.....	1 oz. to 100 ft. of drill	Sage	1 oz. to 100 ft. of drill
Cucumber.....	1 oz. to 100 hills	Spinach	1 oz. to 50 ft. of drill
Egg Plant	1 oz. to 2000 plants	Squash, Early	1 oz. to 50 hills
Endive.....	1 oz. to 2000 plants	Squash, Winter	1 oz. to 15 hills
Kale	1 oz. to 2000 plants	Tomato	1 oz. to 3000 plants
Kohi Rabi.....	1 oz. to 2000 plants	Tobacco	1 oz. to 10,000 plants
Leek	1 oz. to 100 ft. of drill	Turnip, Early.....	1 oz. to 75 ft. of drill
		Turnip, Rutabaga.....	1 oz. to 100 ft. drill

AGRICULTURAL AND FIELD SEEDS

Salt Bush. (Creeping Salt Bush. *Atriplex Semibaccata*). This is a procumbent prostrate, many branched, slender, perennial plant, with herbaceous stems, spreading from 3 to 6 or more feet. Grows on dry hill sides and recommended for sowing on ranges for cattle and sheep. 5 to 10 lbs. to the acre. Oz. 10c; lb. \$1.00; postpaid.
Special prices on quantities on application.

Alfalfa. This is a native plant of this state, and is one of the principal winter forage plants, either for stock or sheep. Plant 4 to 6 pounds to acre. Lb. 85c, postpaid.

SUDAN GRASS

Sudan Grass has been endorsed by the United States Department of Agriculture and virtually every Agricultural College, and others interested in the welfare of the farmer. Live stock find Sudan Grass particularly palatable and show a marked preference for it over other forage. It is sure to become an important ensilage crop.

How to Plant—Sudan Grass may be planted in cultivated rows, in close drills, or broadcast. When the supply of seed is limited, it is recommended that the crop be planted in cultivated rows thirty-six inches apart, and for such seeding, from one and one-half to three pounds of seed per acre. In arid regions this is the best planting process. Where the rainfall is ample or it is to be sown for hay, it can either be sown in drills eighteen inches apart, using six pounds per acre, or be sown broadcast, using fifteen to twenty pounds per acre. It should not be planted until all danger of frost is over and the ground thoroughly warm, as the young plant is more tender than sorghum. It should be planted as soon as danger of frost is past, in order to give time for several cuttings during the season. Sudan Grass does not produce root stock, and in this country is strictly an annual. It does not infest the land like Johnsongrass, the roots are easily eradicated by plowing. 1 lb. 35c postpaid

Timothy, or Italian Clover (*Trifolium incarnatum*). An annual variety, 20 to 30 inches high. Sow from 12 to 15 pounds per acre, and cut for hay when in full blossom. Lb. 25c; 10c lb. for postage extra.

Flax Seed. Should be sown in the spring on moist land, using 30 lbs. of seed per acre if grown for a seed crop, or twice that quantity if intended for a crop of fiber. Per lb. 20c, postpaid; 100 lbs. on application.

Millet, German (*Panicum Germanicum*) Var. Will grow on any good land and yields heavily when artificially watered; yields from 40 to 60 bushels of seed per acre, which is excellent food for stock or poultry. Plant 30 lbs. to acre. Per lb. 10c; large quantities quoted special. Postage extra.

Pearl Millet (*Pennisetum*). A perennial plant for fodder. Grows tall and yields an enormous amount of corn-like leaves. Sow in drills or broadcast, using 4 to 5 lbs. per acre. Per lb. 20c, postage 10c extra.

Paspalum Dilitatum. A new grass for hot, dry climates. A hardy perennial from Australia, growing 5 feet high, without getting tough, and seems to be particularly adapted for greening dairy cattle. Per oz. 10c; lb. 75c.

Rape (Dwarf Essex). A biennial crop used principally for sheep pasture. It usually sown broadcast on ranges, using 2 to 5 pounds per acre. Per lb. 35c, postpaid 100 lbs. on application.

Red Top (*Agrostis Vulgaris*). Make excellent permanent pasture as well as for grass hay. Sow 15 lbs. to an acre. Fancy seed free from chaff. Per lb., postpaid, 60c. Ask for prices in quantities.

Sugar Cane (*Sorghum*). Early Orange. A strong, productive variety, either for fodder or for syrup. Per lb. 25c, postpaid; 100 lbs. \$7.50.

Sunflower (Large Russian). A variety bearing large heads. Sow in the open field as soon as danger from frost is over, using 3 lbs. of seed per acre, sowing in rows 5 feet apart and thinning to 1 foot. Per lb. 20c, postpaid; quantity prices on application.

Timothy (*Phleum Pratense*). The grade we offer is particularly "choice," free from weed seeds and of high germinating power. Sow about 15 lbs. to acre. 20c lb., postage 10c extra.

SEED GRAIN

Write for prices when quantities are wanted.

Our grains are especially selected and re-cleaned for seeding purposes. The few cents extra that is paid for our seed grains over the ordinary run of milling grain is made back many fold when the crop is harvested.

Barley—Sown for hay and for its grain. The grain is used for brewing, also crushed for stock feed. Sow 75 to 100 lbs. per acre. 2 lbs. postpaid 25c.

Buckwheat—Used extensively here as a summer cover crop. It is good feed for bees. Sow 35 to 45 lbs. per acre. 1 lb. postpaid 20c. Ask for quantity prices.

Oats—Grown in Southern California almost exclusively for hay and for seed. White Oats are used some for poultry feed. Sow 60 to 90 lbs. per acre.

Texas Red—Imported (Rust proof), best to plant for hay.

Texas Red, California grown.

White Oats, California grown.

Any variety 2 lbs. postpaid 25c. Ask for quantity prices.

Rye—(Winter)—Sow in Fall for early pasture; also used extensively for cover cropping. Use 60 to 80 lbs. per acre. Postpaid 20c per lb. Write for quantity prices.

Speltz or Emmer—A good all round grain. Will produce grain even under drought conditions. Sow 60 to 80 lbs. per acre. 20c per lb. postpaid. Ask for quantity prices.

Wheat—This year and during the war this grain can be used only as seedling and milling purposes.

Defiance; Rust resistant, grown near the coast on that account.

Durum or Macaroni; very drought resisting; recommended for semi-arid mesa land.

Sonora; grown extensively in interior valleys.

Turkey Red; hard wheat used for milling.

20c lb. postpaid. Write for quantity prices.

Egyptian Wheat (Shallu). A rank growing fodder and grain plant of great merit recently introduced. Grows six to ten feet high, producing four crops of fodder or two crops of grain in a season. Sow five pounds seed per acre. lb. 25c postpaid. Write for quantity price.

NON-SACCHARINE GRAINS

Are valuable because of their hardness. They produce fodder and grain with a minimum of moisture.

Dwarf Milo Maize grows only about four feet high, stools well, has abundance of foliage and a heavy producer of grain. 1 lb. postpaid 25c; 10 lbs. 75c f. o. b. Los Angeles. Write for prices on large quantities.

Anther Cane or Sorghum—Heavy yield-er of rich succulent fodder. Per lb. postpaid 25c. 10 lbs. \$1.00 by express or freight. Ask for quantity prices.

Egyptian Corn—Grown extensively for fodder and for its white grain. 1 lb. postpaid 25c. 10 lbs. 75c by express or freight.

Kaffir Corn—Grows its heads upright. Per lb. 25c postpaid; 10 lbs. \$1.00 f. o. b. here. Write for quantity prices.

Feterita—Very drought resistant and very heavy grain producer. 1 lb. postpaid 25c lb.; 10 lbs. 80c by express or freight. Ask for quantity price.

Texas Seeded Ribbon Cane or Goosneck Cane—The heaviest fodder yielder of all. The stalks when crushed produce excellent sorghum molasses. Per lb. postpaid 25c; 10 lbs. \$1.20 f. o. b. here.

COVER CROP

Cover Crop. It is as important to use a legume for a cover crop for Green Manuring, in orchards as it is to rotate crops in general farming and gardening. By sowing a cover crop you get **nitrogen and humus** in the best way as well as the **cheapest**. Legumes are the cheapest fertilizers and they give the soil plant food in the most available condition. We carry crops in variety at prices subject to market changes. In asking for quotations always state the quantity wanted.

Canadian White Peas. Especially recommended on melon lands. Lb. by mail 20c. Ask for prices on large quantities.

Fennugreek (*Trigonella Foenumgrecum*). A valuable cover crop on heavy soils. Sow 15 to 20 lbs. to an acre. Lb. 15c, 10c extra for postage. Ask for prices on large quantities.

Mellilotus (indica). Yellow Sweet Clover. This is very highly recommended by the Government experts for cover crop and is being used more each year with great success. It has an upright growth. Per lb. postpaid, 35c. Write for prices in quantities.

Burr Clover (Hulled). It is a heavy nitrogen producer and is particularly good for late planting. Used extensively on light soils. Sow 10 to 15 pounds to an acre. Lb. 35c postpaid; 10 lbs. \$2. Large quantities on application.

Red Clover (*Trifolium Pratense*). Next to alfalfa Red Clover is the heaviest cropper and when grown with Timothy makes an excellent hay. Per lb. postpaid 40c. Write for prices in larger quantities.

Vetch Spring (*Vicia Sativa*). It does best when sown by the first of October. Per lb. 20c postpaid; 10 lbs. 75c, delivery extra. Ask for prices on large quantities.

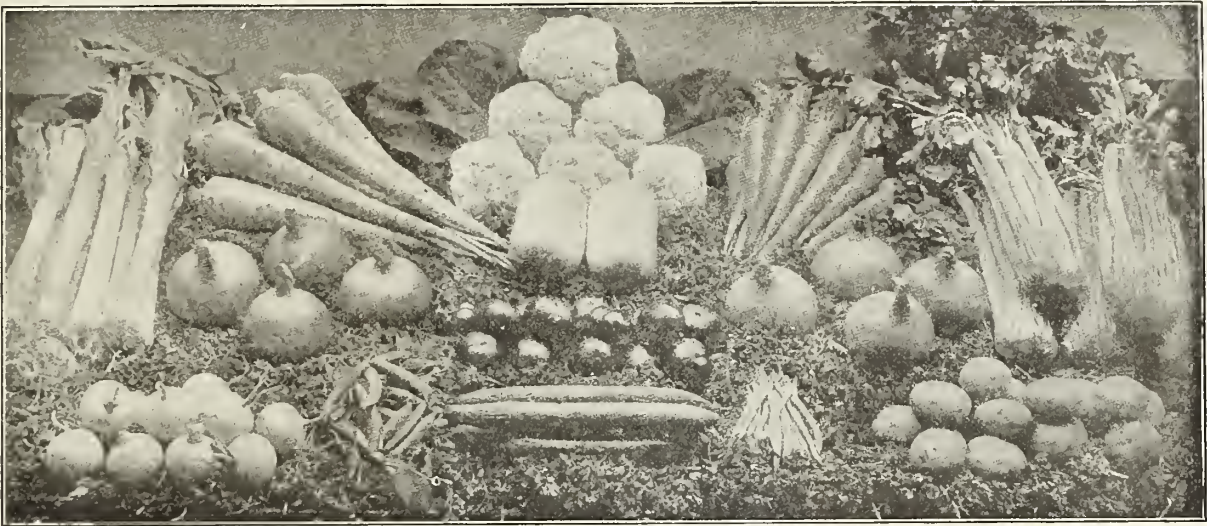
Broad Windsor or Horse Bean. Has an upright growth producing a heavy crop of foliage and pods. The main roots grow straight down, thus breaking up the sub-soil. A heavy producer of nitrogen. lb. 25c postpaid. write for quantity prices.

ALFALFA SEED

We are at all times prepared to furnish high grade clean seed of this very important article and will be pleased to quote firm market price at any time. Small quantities 30c per lb.; 40c postpaid.

Chillan. The common variety and the best for cutting cured hay in California. Price 30c per lb., postage extra.

Peruvian and Hairy Peruvian are both heavier yielding varieties than the Chillan, but are better adapted to Arizona and Colorado desert or for using as green feed in the coast valleys. Prices per lb. 40c and 50c respectively, postage extra. Samples and quantity prices gladly furnished.



MORRIS & SNOW SEED CO. CATALOGUE

All Seeds Listed by the Pound or Less, Posted
Free Excepting Peas, Beans, Corn and Beets

Vegetables

All Vegetables Are Put Up in 5c Packages Except Where Noted

We can not hold ourselves liable for delivery of seeds at the following prices, but give them rather as a guide to purchasers.

When wanting seeds in large quantities, please write for prices stating the quantity desired.

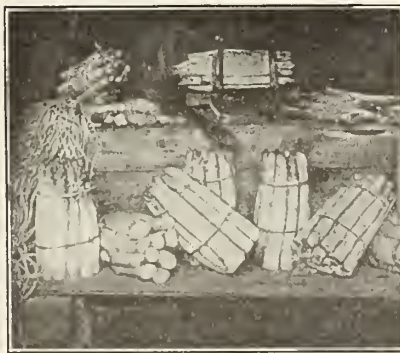
MORRIS & SNOW SEED CO.

ASPARAGUS

Culture. Being a perennial asparagus should be planted where it will not be disturbed. If it is planted only for private use, the row or rows should be established at one side of the garden patch, where it will not be in the way when cultivating the other parts of the garden. Asparagus requires a deep, rich, cool soil heavily manured and thoroughly tilled. Plant seed in beds or rows cover about 1 inch. Keep watered and weeded first year, and if too thick in bed thin out to two or three inches apart, and you get better roots. After one year's growth they can be transplanted to rows three to four feet apart and one foot apart in the row. Although two year old plants are preferable for transplanting they will then produce the following Spring. Cultivation should be done early in the Spring before the shoots start and in the fall after "cutting" is over. Cut the foliage off as soon as it begins to turn yellow and burn it so as to prevent rust getting started and also to get rid of the seed which if allowed to get onto the ground will be coming up all over the patch and be a nuisance. Cover with heavy dressing of manure during winter. It takes about 7,000 plants to set an acre or about two pounds of seeds. An ounce will produce 300 good plants.

Early Giant Argenteull. This is the famous Paris Specialty. The stocks grow to a mammoth size. When well grown some weigh 4 oz. The head is slightly pointed, with a tinge of purple. It is early and very vigorous. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Use our coupon order sheet. It gives you \$1.25 worth for \$1.00.



Asparagus, Giant Argenteull

Connover's Colossal. Considered the best for market gardeners. Pkt. 5c; oz. 10c; lb. 75c.

Palmetto. The leading and most popular variety for the home garden or market. The tender sprouts are green and its delicious flavor makes this variety the favorite for table use. Pkt. 5c; oz. 10c; lb. 75c.

Asparagus Roots. See page 26.

ARTICHOKE

Culture. Like Asparagus this is a perennial, so when planting one should put it where it need not be moved from year to year. Sow seed from January to June and transplant to permanent place when about eight inches high. Plant the seed one inch deep in well worked, damp loam soil.

Artichokes do not come absolutely true from seed, some of the seedlings showing the original thorny type; however, when transplanting select only the plants showing the smoother leaves, discarding the others.

Selected Large Green Globe. The standard variety. Pkt. 10c; oz. 60c.

Remontant. One of the finest; large dark green without any spines; bears twice with us, i. e., in spring and autumn. Pkts. only, 10c each.

JERUSALEM ARTICHOKE

Culture. Plant tubers in rows three feet apart and one foot apart in the row the same as potatoes. This makes fine hog feed.

Per lb., 15c; postpaid, 25c per lb.; 100 lbs. at market rates.

BEANS—BUSH

If ordering more than one pound of beans to come by post, figure the first pound at the prepaid price to cover packing and postage, and for the remaining pounds remit only the f. o. b. price plus the regular parcel post charges above the initial pound rate as shown in our chart on page 2.

Culture. While Beans are a tender plant and in most parts of the country they are essentially a summer crop, we find in Southern California that by using the Early and Hardy varieties, Beans may be on the table from the last of May till well into December. Plant about two inches deep in well prepared soil. Each bean should be about 2 inches apart in rows, 24 to 36 inches apart or in hills one foot apart, 3 or 4 seeds to a hill. Be very cautious and not cultivate deep after they begin to shoot up, especially after in bloom but keep surface well worked and clean of weeds. Dust with sulphur as they come into bloom and again in ten days or two weeks. This treatment prevents mildew and acts as an insecticide for Red Spider. At the first appearance of Aphis spray with solution of Black Leaf 40.

One pound of Lima Beans will plant 200 ft. of row; use 60 lbs. to an acre. One pound of snap beans to 300 ft. row; use 40 to 50 lbs. per acre.

Prices on Beans are subject to market changes. Ask for prices on large quantities.

Burpee's Stringless Green Pod. One of the best early varieties for Spring planting. Very prolific, round pod; can be planted early in March and up as late as September. Pkt. 10c; lb. 40c, postpaid; or by express or freight, lb. 30c; 10 lbs. \$2.80.

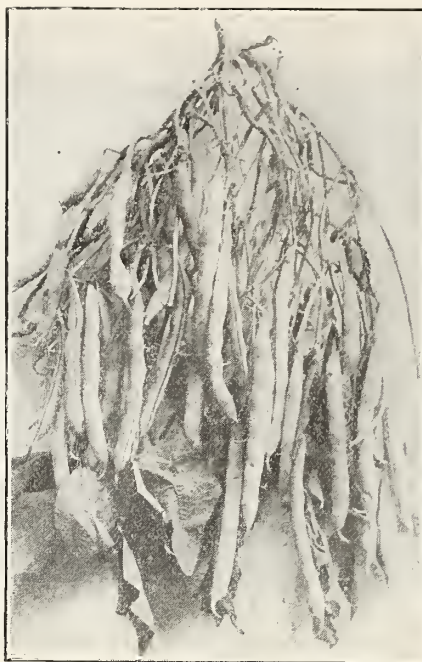
Canadian Wonder. Flat pod; of good flavor; not stringless but tender; a great favorite with gardeners for luxuriant and continuous bearer. Plant during September and October, also in early spring. Pkt. 10c; lb. 40c, postpaid; or lb. 30c; 10 lbs. \$2.70 by express or freight, charges to be paid by purchaser.

Early Refugee or 1000 to 1. Round pod; medium size, tender; very desirable for table and cannery. Should be planted during the mild season, neither too early nor too late. Pkt. 10c; lb. 40c, postpaid; or by express or freight, lb. 30c; 10 lbs. \$2.75.

Dwarf Horticultural or Cranberry — Planted extensively for home use.



Canadian Wonder



Burpee's Stringless Green Pod

Used as a shell bean, seeds plump and rich in flavor. Pkt. 10c; lb. 45c postpaid; by express or freight lb. 35c; 10 lbs. \$3.00.

Long Yellow, Six Weeks. The bean is yellow but the pod is green. A strong rapid grower and matures quickly. Flat pod; very desirable for early forcing. Plant early in March and during August and September. Pkt. 10c; lb. 40c, postpaid; or by express or freight, lb. 30c; 10 lbs. \$2.75.

Black Wax. Round pod; straight, seven to eight inches long; very desirable for mid-summer. June to August. Pkt. 10c; lb. 50c, postpaid; or by express or freight, 1 lb. 40c; 10 lbs. \$3.50.

Golden Wax. Long, flat pod; stringless; a rich golden wax. We believe superior to most of the Golden Wax varieties. April to August. Pkt. 10c; lb. 50c, postpaid; or by express or freight, lb. 40c; 10 lbs. \$3.50.

Ventura Wonder Wax. The "real wonder" indeed. The handsomest of all the early Wax Beans. The pods are long, (7 inches) straight, very uniform and clear waxy white. The vines are vigorous, extremely prolific and rust resistant. The dry beans are clear white and excellent for baking. The best market garden Wax Bean. Pkt. 10c; lb. 50c, postpaid; or by express or freight lb. 40c; 10 lbs. \$3.50.

BEANS—POLE

Plant pole beans from March to August except the Creasback which may be planted during August. Pole beans make so much shade that as soon as damp, cool nights of Fall come on, the beans become affected by rust and mildew.

Scarlet Runner. Mostly grown as an ornament for covering fences or unsightly places; pretty clusters of scarlet flowers. Pkt. 10c; lb. 40c, postpaid.

Asparagus or Yard Long Beans. A very prolific pole bean of excellent quality, producing pods from 15 to 30 inches long, in great profusion. Pkt. 25c.

Horticultural Pole. An old standard variety used as a string or shell bean. The seed are red with lighter spots on it. Sometimes called the **Cranberry bean**. Pkt. 10c lb. 40c, post-

paid. F. O. B. Los Angeles, per lb., 30c; 10 lbs. \$2.75.

Kentucky Wonder. Long round pod. This is by far the most popular bean in Southern California, because here it is grown to perfection. Very prolific and all its merits make it one of the finest varieties grown. Plant 10c; lb. 45c, postpaid; by express or freight, lb. 35c; 10 lbs. \$3.25. freight, lb. 25c; 10 lbs. \$2.00.

White Seeded Kentucky Wonder. A pole bean of great merit, claimed to be a heavier producer and more resistant to mildew than the common Kentucky Wonder, of which it has a similar growth and appearance except that it has white seeds. It bears well into the Fall. Pkt. 10c; lb. 40c, postpaid. By express or freight, lb. 30c; 10 lbs. \$2.75.

Kentucky Wonder Wax. One of the most prolific beans grown. Commences to bear very early and continues to bear until killed by frost. A rapid grower, and pods are solid and meaty; perfectly stringless, and when properly cooked are deliciously rich and buttery. April to August. By mail 10c per pkt.; 50c per lb.; express or freight, lb. 30c; 10 lbs. \$2.50.

White Creasback. An early silvery green bean, the pods maturing very evenly in clusters of from four to ten. A very good shipper. Pkt. 10c; lb. 40c, postpaid; by express, lb. 30c; 10 lbs. \$2.75.

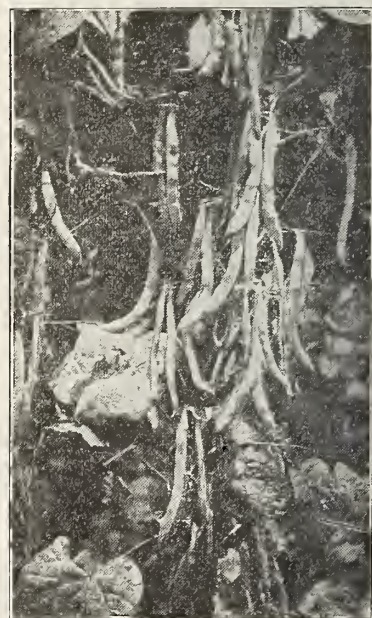
OUR NEW POLE BEAN

Gray Seeded Kentucky Wonder.—This has proven itself to be a giant grower, very hardy, and a superb flavored bean. Absolutely stringless, extra long flat pod, much larger than Kentucky Wonder, and all that have tested them, pronounce them much better than Kentucky Wonder. They are immense cropper, producing heavy yields. The bean itself is very large, larger than Canadian Wonder, of a speckled gray, slate color, makes an excellent green shell bean, and before drying down the bean is nearly as large as a Lima bean. Pkt. 10c; lb. 45c, postpaid.

BEANS—LIMAS, ETC.

Lima Beans are more difficult to get started than other beans but the mature plants are harder than the smaller podded varieties. Plant not earlier than April or later than August 1st, except in particularly favorable frostless locations.

Spray with Black Leaf 40 to control Aphis.



Gray Seeded Kentucky Wonder

Burpee's Bush. Very good but not equal to Burpee Improved. Pkt. 10c lb. 40c; Postpaid. By express or freight, lb. 30c; 10 lbs. \$2.75.

Los Angeles Wonder Lima. A heavy yielding bush Lima. A great improvement over the field variety producing over 25% more beans. When sufficient stock has been worked up the Los Angeles Wonder will be almost exclusively used by the large lima bean growers. We offer a limited supply. Pkt. 10c; ½ lb. 30c; lb. 50c, postpaid.

Fordhook Bush. This wonderful Lima is coming more into favor each year. It out-yields any Bush Lima yet offered. Best results are obtained by planting Fordhooks in hills, two feet apart in rows and the rows four feet apart. Its height is from twenty-two to twenty-four inches and it bears in clusters of two to five, well out from the plant on long spikes. There are from three to five beans in each pod, with an average of four. The seeds are round and thick, and have a mild, delicious flavor. This delicious bean is far ahead of anything which anybody has shown in Lima Beans up to the present time. Pkt. 10c; lb. 45c, postpaid; by express or freight, lb. 35c; 10 lbs. \$3.00.

The "Burpee-Improved" produces magnificent crops of pods which measure from five to six inches long by one and one-quarter inches wide. As compared with Burpee's Bush Lima both pods and beans are very much larger.

Pkt. 10c; lb. 45c, postpaid. Write for prices for quantities.

Windsor Broad Bean. A great favorite is a perfectly hardy variety being planted during the winter months, maturing in the spring. Pkt. 5c; lb. 25c, postpaid.

POLE LIMA BEANS

King of Garden Lima. Beans of unusual size; quality perfect. Pkt. 10c; lb. 40c, postpaid. By express or freight, lb. 30c; 10 lbs. \$2.60.

MONSTROUS BUSH LIMA

This would better be called Monstrous Vining Lima because the runners often grow to twenty feet or more in length, producing clusters of enormous beans at each joint or node. Individual pods are from one and a quarter to two inches wide, containing beans larger than a fifty cent piece.

The Monstrous Lima makes such a vigorous growth that it is not profitable to plant them closer than eight feet apart, thus it requires only four or five pounds of seed to plant an acre. It takes the Monstrous Lima about five months from seeding to time of picking, so it is advisable to get them planted at least by May first. They are excellent both as green, shelled or dry beans. Pkt. 10c; lb. 60c, postpaid. By express, lb. 50c; 10 lbs. \$4.50.

Large Lima. The beans are large and attractive. A very popular variety. Pkt. 10c; lb. 40c, postpaid; lb. 30c; 10 lbs. \$2.60 by express or freight.

CARPINTERIA GREEN SEEDED LARGE LIMA

The vine is very strong, of vigorous growth, with many large branches or runners, producing a great many fine pods which are closely filled with large beans. In shape the bean is similar to the Burpee's Improved. The pods contain from three to four beans.

It is fine flavored and more tender when cooked than white seeded bean, and making it more pleasing to gardeners and housekeepers.

It is the most perfect pole lima bean. Pkt. 10c; ½ lb. 25c; lb. 45c; postpaid.

BEETS---Table Varieties

Culture. Beets are an all the year round crop in Southern California. However some varieties do better at certain seasons of the year as one will see by reading the description of the varieties which we offer as being the best for local conditions. Sow in drills 12 to 15 inches apart and when 3 to 6 inches high thin out to 4 or 6 inches in the row. Beets should be grown in light rich loam soil well worked. Water once a fortnight during cool weather and once a week during the warmer months. One ounce will sow 50 feet of drill.

Sometimes leaf chaffers or beetles attack your beets; for these dust over young plants as they come up tobacco dust or powdered lime.

Blood Turnip. Smooth round roots of medium size with dark red flesh, fine grain, very sweet, and retaining its deep coloring when cooked. Tops are small and of uniform growth, the leaf, stems, and veinings being a dark red. It grows quickly and is of superior quality. Per pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.90.

Crimson Globe. Crimson Globe has a smooth skin and very regular form. The flesh is a deep purplish crimson, sweet and tender. Plant during April, May and June. Pkt. 5c; oz. 20c; ¼ lb. 70c; lb. \$2.20.



Detroit Blood Turnip Beet

Extra Early Egyptian. One of the most popular on account of its beautiful appearance and excellent flavor. Imported French grown seed of best quality. Plant from September to May. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.85.

Eclipse. A good-shaped beet with large top; very tender and sweet and of fine texture. Especially good for planting for May to August. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.85.

Long Blood. Dark red, smooth, growing to good size; small top. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.85.

DETROIT BLOOD TURNIP

A grand beet for bunching for market; tops exceptionally small and upright; roots are perfect turnip shape with small tap roots. Color of skin, dark blood red; flesh bright red. Quality is of the very best, sweet, tender and lasting. One of the best for the market gardener and the home garden. Pkt. 5c; oz. 20c; ¼ lb. 75c; lb. \$2.25.

CROSBY'S EGYPTIAN

The Earliest Beet in the Market
A selection from that standard market beet, Early Egyptian, which retains the earliness of the parent stock and has added thickness, giving it a more desirable shape. It is the deepest red, almost black in color, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. The most desirable sort for small beets for early market, as it is in presentable market shape quicker than any of the others. Selected stock. Plant from September to May. Pkt. 5c; oz. 20c; ¼ lb. 75c; lb. \$2.25.

BEET-STOCK AND SUGAR

Culture. In Southern California plant during the fall and winter in drills from 18 to 24 inches apart. When plants have third or fourth leaf thin to six to eight inches apart in the row.

Mammoth Long Red Mangel. All stock eat it readily. This beet will resist alkali better than any of the other varieties. Pkt. 5c; oz. 10c; lb. \$1.00, postpaid.

Golden Tankard Mangel. Contains less water and more sugar than any other mangel. Pkt. 5c; oz. 10c; lb. \$1.00, postpaid.

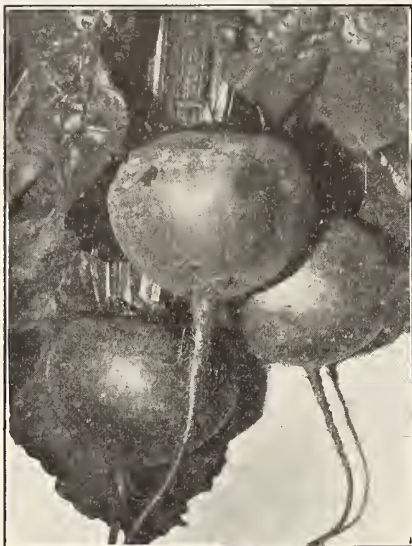


Burpee's Improved Bush Lima

Lane's Imperial Sugar. The heaviest cropping sugar beet, and the most profitable for stock farmers. Pkt. 5c; oz. 10c; lb. \$1.10, postpaid.

Vilmorin's Imp. Sugar. This variety is without question the best in cultivation; not the largest in size, but the richest in saccharine matter. Pkt. 5c; oz. 10c; lb. \$1.10, postpaid.

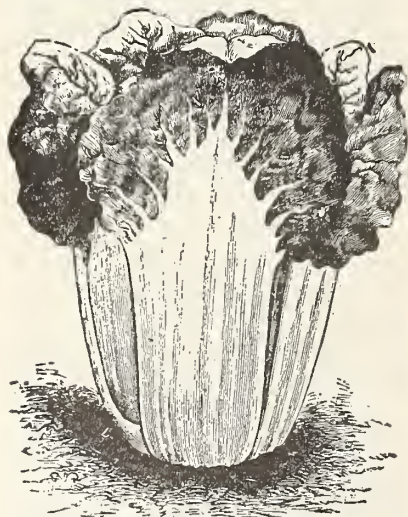
Giant Half Sugar Rose. This unites the large size of the mangel with the greater feeding value of the sugar beet. The roots average ten to twelve inches, and the outline is that of a broad thick wedge. The upper portions is of a soft bright pink, shading lighter toward the bottom where the lower portion for about one-third the length is white. The flesh is pure white, firm, crisp and very sweet. Highly recommended for stock purposes. Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid.



Crosby's Egyptian Beet

SWISS CHARD—SEA KALE

Swiss Chard. Sown for its leaves only. Planted and grown same as beets, but the leaves are taken off like Rhubarb and cooked the same as spinach. Also used for poultry green, being more desirable than alfalfa. Plant any time of the year in Southern California.



Swiss Chard

"An asparagus all summer." There are few vegetables which require less care during their growth, or yield more certain crops. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

Lucullus. The plants grow to a height of two to two and one-half feet. The stalks are as thick and broad as those of Rhubarb, being one and one-half inches broad, heavily ribbed and from ten to twelve inches long below the leaf. These stalks are delicious when cooked and served in the same manner as asparagus. In the new Lucullus the leaves are larger and sharply pointed at the top, while the texture is heavily crumpled or "savoyed," more crisply, tender and of finer flavor. The leafy portion of the foliage is cooked and served in the same manner as Spinach. The leaves and stalks served as separate vegetables afford two distinct dishes from the same plants at one time. Per pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.25, postpaid.

BRUSSELS SPROUTS

Culture.—Sow seed from July to October. Transplant when six to eight weeks old and treat same as cabbage; half pound of seed will make plants enough for an acre. Spray with Black Leaf 40 to rid plants of Aphis. To kill Cabbage worms treat with Arsenate of Lead or Paris Green. 1 oz. of seed will produce 2000 good plants.

Dwarf Improved. Produces on the stem, compact sprouts resembling miniature cabbages. A delicious vegetable. Pkt. 5c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00.

BROCCOLI

Culture. Sow seeds in beds or rows in well prepared soil. When eight or ten inches high transplant to permanent place 1½ to 2 feet apart in rows three feet apart.

Early Purple Cape. Resembles the cauliflower, but is hardier and more easily grown. Heads purplish brown in color, always close and compact. Fine flavor. Pkt. 5c; oz. 50c; lb. \$5.00.

Matchless White. This variety is quite early and will follow closely the large headed varieties of Cauliflower sown the same time. Pkt. 5c; oz. 60c.

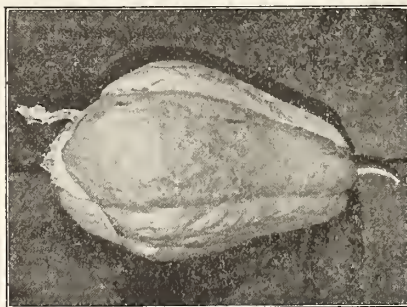
CHERVIL

Curled Chervil. Seed should be sown only during the cooler months in rows 15 to 18 inches apart and thin to 4 to 6 inches apart in the rows in good garden soil. Chervil is used for garnishing and flavoring. Pkt. 5c; oz. 20c; ¼ lb. 60c.

CHIVES

Chives are perfectly hardy perennial plants of the onion type. They are grown for their small leaves, which are produced the year around and are used for giving a mild onion flavor to various dishes. The tops can be shorn off close to the ground as needed. Roots per bunch 20c, by mail postpaid.

Chives are also easily grown from seed. Sow in beds and transplant as soon as they begin to multiply. Pkt. 10c; ¼ oz. 30c; oz. \$1.00.



Chayote—Fruit and Seed

CHAYOTE

A climbing plant, related to the cucumber family. A very rank growing vine—used for covering fences, arbors or sheds. It grows over thirty feet in a season, with good dense foliage, and immensely productive. One plant will produce over 150 pounds of fruit. A deciduous vine in this climate. The fruit is one seeded and is planted entire without cutting weighs about one-pound each, and is served in many ways. Fried as Egg Plant. Cooked like Summer Squash or used as a salad and considered a great delicacy by all who have used it properly. We will be able to supply from January to April. Fruits 15c each, 6 for 75c by express; or 25c each by mail. 20c each for each additional fruit mailed.

Rooted plants 20c each; 10c extra by mail.

Methods of Cooking

To the ingenious cook, this appetizing vegetable is a great find. The following are a few suggestions that can be experimented with to suit the individual taste:

1. Fried like onions: Sliced very thin and fried with quantity of onion, in bacon drippings, is both a quick and good manner of preparation.
2. Breaded: Also to boil until tender; slice, dip in egg and cracker crumbs and fry it.
3. Roasted: Halve lengthwise, remove seed, salt well, and bake in roasting pan with meat.
4. Biled dinner. Cook with old-fashioned boiled dinner as you would carrots or turnips.

COLLARDS

Culture. Same as Cabbage.

This is a form of cabbage grown in the Southern States. One ounce of seed will sow 300 feet of drill; two pounds per acre.

Southern. A mass of leaves on a tall stem, which in the South grow all winter. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

CORN SALAD

This is a hardy, quick-growing plant the leaves furnish a good substitute for lettuce during the winter. Sow seed on the approach of cool moist weather in the fall to produce leaves for late fall, and early spring use. It does not grow satisfactorily during the hot summer months.

Large Round-Leaved, Large-Seeded. Pkt. 5c. Crop failure.

CELERIAC—Turnip Rooted Celery

Celeriac is grown for the large turnip-shaped roots, which are stewed or used for flavoring soups. The plants are set six to eight inches apart and are not earthed up, but kept constantly hoed to encourage a large growth. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

CELERY

Culture. Sow the seed from January to May in drills twelve inches apart, not too thick in the row to secure stocky plants. In July when the plants are strong, transplant to furrows four feet apart and six inches deep. Set the plants six inches apart in the furrow; as the plants grow, fill the soil around them for proper blanching. Instead of blanching by banking up as has formerly been the custom, 12-inch boards are now used by placing them each side of the rows for a couple of weeks before harvesting the celery. In the home garden blanching may be done by wrapping each plant up to the leaves with paper. Spray every two or three weeks with Bordeaux Mixture to prevent blight and rust.

Dwarf Golden Self-Blanching. This is the most popular and profitable cel-

ery grown. It is always in great demand where good celery is appreciated. Pkt. 10c; oz. \$1.50; ¼ lb. \$5.00.

Golden Self Blanching. (Cal. grown). This Celery seed is grown from French grown stock and gives the same fine celery that it produced from the above French grown seed except that it grows a little larger. This is excellent for home gardens or local market supply. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; lb. \$6.00.

White Plume (California Grown). Its stock, inner leaves and heart are naturally white, so by simply drawing the soil up against the plant and pressing it in is all the work for blanching required. This is a very popular variety for market gardeners. Pkt. 5c; oz. 35c; ¼ lb. \$1.20; lb. \$3.50.

Giant Pascal. The largest of all; is a great favorite in the Eastern gardens. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.



Golden Self-Blanching Celery

CARROTS

Culture. Although carrots are hardy after the plant is established it is difficult to get a good stand unless the soil is well prepared and of such a nature that it will not bake, for the seeds are small and slow to germinate.

Carrots are sown the year around in deeply tilled, sandy, loam soil. Sow one inch deep in rows 15 to 20 inches apart. Thin out to 4 inches apart when plants are two inches high. Keep well cultivated and irrigate every two weeks. Two and a half pounds will plant an acre. One ounce to 150 ft. of drill.

Guerande, or Ox-Heart. Beautiful shape and color. The roots generally attain from four to five inches in length and about three inches in diameter. This is the market gardener's favorite. Pkt. 5c; oz. 20c; ¼ lb. 75c; lb. \$2.25.

Early French Forcing. The small sort, but extra early. Very sweet and tender. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

Danvers. The roots are smooth. One of the best sorts for main crop. Pkt. 5c; oz. 20c; ¼ lb. 75c; lb. \$2.25.



Carrot—Danvers Half Long

Chauteney. The sweetest of all carrots, is of good shape and cylindrical, very smooth, and grow about six inches long; the flesh is entirely red, very sweet and almost entirely without a core. Pkt. 5c; oz. 25c; ¼ lb. 80c; lb. \$2.50.

Improved Long Orange. A deep orange colored variety. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

Long White Belgians. A variety with long slender roots about one-third of which grows above the surface of the ground, thus making it easy to pull. It is very productive, highly nutritious and good keeper. The best for stock feed. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Long Yellow Belgian. This sort is very similar to the White Belgian except in color. Its strong point is its keeping quality, making it of especial value for late feeding. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.



Ox-Heart Carrot

CRESS

Culture. Grown in rows sown rather thickly. Grows up again after cutting. Used in salads and for garnishing.

Fine Curled (Pepper Grass). Quick growing; leaves finely cut and feathery like a good parsley; growth dwarf and compact; ornamental, crisp, and pungent; very refreshing. Pkt. 5c; oz. 15c; lb. \$1.50, postpaid.

Water Cress. Highly esteemed as a salad during the spring and fall. Also used as a garnish for meats during the winter. Seed may be started readily in pans or boxes of very moist earth, and the young plants, transplanted to shallow water. Pkt. 10c; oz. 35c; lb. \$3.50.

CHICORY

Culture. Sow seed in early Spring thin to 6 inches in row and keep well hoed. The dried roots are used as a substitute for coffee or used fresh as a vegetable.

Large Rooted. Roots are dug up in the Fall, dried, cut in thin slices, roasted and ground; are used largely as a substitute for coffee. Pkt. 5c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00.

Witloof Chicory. A delicious winter salad. Seed sown in spring out-doors produce parsnip-like roots which should be taken up in fall, trimmed and planted in a cool bed covered with about 8 inches of soil. Over this should be placed a layer of fresh manure two to three inches deep, which forces a new growth of tender leaves that are used as a salad. It is considered a great delicacy. Pkt. 5c; oz. 40c; ¼ lb. \$1.30; 1 lb. \$4.00.

CASABAS—See under Melons.

ECONOMIC SUGGESTIONS

Economy! Of course you have signed the "Food Administration" card. That means planting all the seeds you can and using every bit without waste. Here are a few recipes which we have found helpful.

Cook most vegetables with the smallest amount of water possible. Let it boil back into the vegetable. Why throw away the juice which is full of nourishment and flavor; don't imagine the liquid many throw away is just water. It requires closer watching with less water but the saving of real food value is greater than the trouble. Use a wire screen on legs in your kettles. Place vegetables upon them with water underneath and steam in place of boiling. Beets, Squash, Corn, Sweet Potatoes, white Potatoes, most vegetables in fact, are more nutritious and edible cooked in this way.

Asparagus—Do you make soup of the hard ends? Boil them and season the liquid adding milk, thickened or not, as you prefer.

Beans—Use the ends you usually throw away to make a bit of broth. Boil and add seasoning and milk.

If your string beans are dry and old shell out the beans. They are very good boiled.

Cabbage—To eliminate the elements in Cabbage which generally disagree with the digestion follow this method: Cover cabbage with cold water, let it come to a boil. Drain and cover with cold water, adding a little soda, let it come to a boil. Drain and cover with cold water, adding salt. Cook until tender. It cooks much quicker in this way.

Chinese Cabbage is more delicate in flavor than the ordinary kind. It is cooked in the same way.

Carrot—Salad. Grind twice with a fine grinder the raw carrot, one carrot to a person, and a small sweet pepper. Grind walnuts, one-third the amount of carrots, and stir all together, adding any salad dressing you prefer. Lemon juice and salt add to the flavor in addition to the dressing. Celery, olives and pickles may be added.

CABBAGE

Culture. Sow the seed thinly in beds, either in drills or broadcast from August to April. Care should be taken if too thick to thin out so as to avoid spindling plants. After plants are seven or eight inches high, transplant to field where they are to grow. Keep continually moist, never allow to grow dry, or they will most likely "shoot" to seed when watered again. Set the plants of small heading early varieties about 18 inches apart in rows two and a half feet apart and late large headed varieties 24 to 30 inches apart in rows three to four feet apart. It requires about 7,000 plants to set an acre or about six ounces of seed.

All Seasons. The heads are very hard and solid, round flattened on the top. It is very early but still of a good large size. It is called All Seasons because it can be planted at any time of the year and can be depended on to make a good head. Pkt. 5c; oz. 45c; ¼ lb. \$1.50; lb. \$4.50.

Autumn King. The largest of all cabbages grown, still of excellent flavor and tender. Single heads often weigh forty pounds and over. Ideal for sauer kraut. Pkt. 5c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.

Copenhagen Market is certainly a valuable new, early cabbage, producing round, hard heads very early in the season. As early as the Charleston Wakefield. It is the most popular early cabbage in the markets of Co-

Cannon Ball—An early white round headed cabbage of excellent quality. Although the Cannon Ball cabbage is an early variety it produces a good-sized firm head with a small core and the leaves with small midveins making a fine grained sweet cabbage. By setting the plants 12 to 14 inches apart heads weighing from 3 to 5 pounds will be produced, but by setting them 18 to 24 inches the heads will range up to 10 and 12 pounds each. Cannon Ball cabbage will come in from two to six weeks earlier than the Winningstadt and will out-yield it any season. Each year the demand for Cannon Ball cabbage increases. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

penhagen, and is becoming popular in America. Plants are short stemmed, producing heads almost on the ground. The light green colored leaves are medium in size, saucer shaped, and are always tightly folded; the plants may therefore be set closer than most other early varieties. It is a vigorous grower and yielder, as are all cabbages from Denmark, and an excellent keeper. Pkt. 10c; oz. 65c; ¼ lb. \$2.10; lb. \$6.50, postpaid.

Danish Ball Head. One of the best of winter cabbages, heads round, exceedingly solid and excellent keeper. Pkt. 5c; oz. 60c; ¼ lb. \$2.00; lb. \$6.00.

Early Winningstadt. Imported. A superb strain of this popular cabbage, that has given perfect satisfaction to our market gardeners for years. Sure to head hard and solid. Pkt. 5c; oz. 60c; ¼ lb. \$2.00; lb. \$6.00.

Scott's Cross. (New). A pointed headed variety,—a cross between early Winningstadt and Flat Dutch—with a broad base. Considerably larger than the Winningstadt, weighing from eight to ten pounds. Sure to head and a heavy yielder. Pkt. 10c; ¼ lb. \$2.50; lb. \$8.00.

Succession. Dwarf habit, light green, very solid flat heads, about ten days later than Early Drumhead. Pkt. 5c; oz. 45c; ¼ lb. \$1.50; lb. \$4.50.

Early Jersey Wakefield. A popular first early sort with Eastern gardeners. Does not do so well here as the Winningstadt. Pkt. 5c; oz. 50c; lb. \$5.00.

Premium Large Late Flat Dutch. A standard sort for late crop. A hard sure header. Pkt. 5c; oz. 45c; ¼ lb. \$1.50; lb. \$4.50.

Early Drumhead. Undoubtedly the best early cabbage for home gardening, as well as the best early maturing varieties for late planting. Pkt. 5c; oz. 50c; lb. \$5.00.

RED CABBAGE

Large Red Drumhead. This cabbage has proved the most successful of the Red varieties in this locality, attaining a large solid head of good deep color. Pkt. 5c; oz. 45c; ¼ lb. \$1.50.

"Zenith" (New). The best red cabbage up to date. The heads are very solid, of the richest deep blood-red, of medium size, fine ribbed and with but few outer leaves. It matures medium early and is a keeper. Pkt. 5c; oz. 50c; lb. \$5.00.

SAVOY CABBAGE

Drumhead. A variety that is much prized in Europe and also by those who are familiar with it in this coun-



Scott's Cross Cabbage

try. Well adapted for winter growth. It is very sweet and crisp, and always tender. Pkt. 5c; oz. 50c; lb. \$5.00.

Our CANNON BALL CABBAGE has again demonstrated its superiority with the growers. One of our Compton friends average sixteen tons per acre on a forty acre tract planted to Cannon Ball Cabbage. Another party in the Montebello district received a check of over \$4500 for his crop on four acres. Cannon Ball headed when other varieties failed under the adverse conditions of last winter and spring. As a cabbage for home use it is unexcelled.

CHINESE CABBAGE

Culture same as cabbage. We have two distinct types of this succulent vegetable. Chinese cabbage is becoming more popular each year and it is beginning to be shipped to eastern markets in considerable quantities. **Large White Stalk** or **Celery Cabbage** grows eighteen to twenty-four inches tall forming a looser head than the Hardy Winter variety. Excellent for poultry. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00.

Hardy Winter or **Wong Bok** is the short leaved variety for shipping. **Wong Bok** makes a solid head about twelve inches long and five inches through. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; lb. \$6.00.



Field of Our True Cannon Ball Cabbage with Record of Over 20 Tons Perfect Heads to the Acre.

CAULIFLOWER



Cauliflower—Dry Weather

Culture. Cauliflower is a hardy plant and should be grown during the cool seasons in good soil with plenty of moisture at the roots. Sow seeds of early and medium early varieties during May and June, however, there is considerable chance in growing Cauliflower so early as it needs cool weather during the heading periods, if the fall months are warm the Cauliflower will be small and strong tasting. Seed sown from August to February produce the best heads. California Pearl and Dry Weather are used the most. Set plants of early varieties 18 to 20 inches apart and late varieties 20 inches apart in rows three feet apart.

Cauliflower should be kept growing constantly, as it may be injured by a check at any period of its growth.

Autumn Giant. A large late sort with compact head. Pkt. 5c; oz. \$1.50; ¼ lb. \$5.00; lb. \$15.00.

Extra Early Snowball. The very best for forcing and earliest in open ground. This variety combines all pedigree points, earliness, purity of color, dwarf habit, fine grain. This seed will produce cauliflower worth the highest market price. It cannot be sold cheap, but the shrewdest gardeners find it the most profitable. Pkt. 25c, ¼ oz. \$1.25; oz. \$4.00; ¼ lb. \$14.00.

Dry Weather. It produces large solid white heads and is an early variety. It is especially adapted for growing

in dry locations where other varieties fail. Especially recommended for Southern California and Arizona. Give it rich soil and thorough cultivation. Pkt. 25c; ¼ oz. \$1.25; oz. \$4.00; ¼ lb. \$14.00.

California Pearl. It is particularly adapted for shipping, the flower being completely enveloped within spiral curled leaves, thus avoiding injury in packing and retaining its fresh appearance longer than any other variety. It is the shipper's favorite. Per pkt. 20c; oz. \$2; lb. \$20.

MORRIS & SNOW'S EARLIEST GIANT CAULIFLOWER

This is selected stock from one of the largest and best growers, and is one of the finest early large headed Cauliflower on the market. For the past season we have given this to the most critical growers with the very best of results. This variety has a head considerably larger than the Snowball or Early Erfurt, and is well protected by the foliage. This is of Italian origin and does exceptionally well in this climate. Pkt. 10c; oz. \$2.25.

MORRIS & SNOW'S GIANT SECOND EARLY

This is a very large, fine headed variety for the later season, and produces a head of the finest flavor and quality. Heads are well protected. Pkt. 10c; oz. \$2.00.

CUCUMBER

Culture. Plant six to twelve seeds in hills four to six feet apart. Get the seeds into damp soil about one inch. Rich, well watered soil is necessary to produce well formed cucumbers. Plant seed in open ground after April 15th or they may be started, under cover earlier by planting the seed in pots and reset in the open as soon as danger of frost is over. One ounce of seed will plant forty hills. Two pounds to the acre.

To control Aphis spray with Black Leaf 40 as directed on the can.

Arlington White Spine. A rich, dark-green variety, turning white when ripened. The fruit is about 7 inches long when in marketable condition and very straight and even shape. Is early and good for forcing and out-of-door culture. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Chicago Pickling. This is undoubtedly the best Cucumber for Pickles, and is used almost exclusively by a vast majority of the pickle factories. The fruit is medium length, pointed at both ends, with large and prominent spines. Pkt. 5c; oz. 10c; lb. \$1.25.

Davis Perfect. This cucumber has been a favorite for late spring and early summer planting. The fruits are eight to ten inches long, dark green and very attractive. It is also extra good for hothouse use. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Improved Long Green. Dark green, firm and crisp, 12 to 16 inches long. Very extensively grown. Pkt. 5c; oz. 15c; lb. \$1.50.

Japanese Climbing. This sort grows quickly, climbing poles or trellis, thus taking up very little room on the garden. The fruits are of good size and of fine flavor. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Klondyke. A favorite variety among our market gardeners. It is an improved strain of the famous White Spine. When suitable to ship the fruits average about 2 inches in diameter and 7 inches long, very dark green, striped with light green about one-third the length from the blossom end. The flesh is waxy, white, crisp, and of excellent flavor. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Telegraph. This is a very long cucumber and grows to perfection in the hot house on supports, but they do very well here on trellis as they grow crooked when coming in contact with clods or other obstacles on the ground. An English type and most excellent eating. Produce very few seeds. Package 25 seed 15c.

Gherkin, or West India Gherkin. An extremely small fruited variety, grown exclusively for pickles. Pkt. 5c; oz. 25c; ¼ lb. 80c; lb. \$2.50.

LEMON CUCUMBER

This is a very nice sub-acid variety, and considered superb as a salad. The fruit is small and in appearance similar to a lemon. Pkt. 10c; oz. 25c, lb. \$2.50



Klondyke Cucumber—One of the Best Market Varieties.



Reproduced from Photo of Heath's Early—The Sweetest Corn Grown

CORN

If ordering more than one pound of corn to come by post, figure the first pound at the prepaid price to cover packing and postage, and for the remaining pounds remit only the f. o. b. price, plus the regular parcel post charges above the initial pound rate as shown in our chart on page 2.

Ask for prices on large quantities.

Culture. Plant as soon as danger of frost is past in moist rich soil 10 inches apart in rows three feet apart, except for late plantings, plant the corn two or three by four feet apart. Keep the ground well hoed or cultivated so that the moisture may be retained and the weeds kept out. For succession plant every two weeks till August 15th. In order to secure well filled cobs it is advisable to plant several rows side by side. The effect of this will be to ensure an ample supply of pollen reaching the silks and upon this will depend whether the cobs are well filled or not. Plant eight pounds per acre. We give our list in the order of the earliness of the corn.

Corn worms are the caterpillar state of a moth that flies about at night and deposits its eggs on the corn silks as they first come out. The best remedy for corn worms is to dust the young silks lightly with dry arsenate of lead.

SWEET CORN

Extra Early Adams. The hardiest and earliest corn for table use. It is not a sweet corn but on account of its earliness it is extensively planted both by the market gardener and for sweet and tender, and very productive. Pkt. 5c; lb. 20c; by mail, lb. 30c.

Oregon Evergreen. This has become a standard variety in Southern California and it certainly is worthy of the home garden. Pkt. 10c; lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. \$2.50.

Golden Bantam. A very dwarf extra early variety of a rich golden yellow; very sweet and fine. Highly recommended by Agricultural Schools and Experiment Stations. Pkt. 10c; Crop failure; sold in packages only.

Early Minnesota. The old standby extra early large sweet corn. An eight rowed corn maturing right after the very earlies. The excellent quality

Big Four is a vigorous growing, medium early sweet corn, becoming ready to pick four to seven days earlier than the Oregon Evergreen, but the ears are larger.

The best results are obtained when this corn is planted 2 to 3 feet apart in rows 3 to 4 feet apart. The great demand for this corn last year insures its success.

Price, pkt. 10c; ½ lb. 20c; 1 lb. 45c; postpaid. Ask for prices on larger quantities.

of the large white grains and its productivity make it immensely popular. Pkt. 10c; lb. 40c, postpaid. By express or freight, lb. 30c; 10 lbs. \$2.60.

Large Adams. This is the best variety to plant in July and early August for late crop. This is similar to the E. Adams but has larger kernels. Lb. 20c; by mail 30c.

Black Mexican. One of the best sweet corns for this section. Deliciously credit. It produces a good sized, well filled ear of fine flavored corn. It is the market gardener's favorite and gives thorough satisfaction wherever used. Pkt. 10c; lb. 40c, postpaid. By freight or express, lb. 30c; 10 lbs. \$2.50.

Stowell's Evergreen. Most popular of all sweet corn varieties. Large fine flavored ears borne in abundance

HEATH'S EARLY

An excellent corn; early and very sweet. The ears are medium size and well filled, the husks are bright green and grow close to the ear so that it is scarcely bothered by worms. Its demand has greatly increased and many of the growers will have nothing else. Do not fail to try some of Heath's Early for late plantings because of its deep green foliage which it retains even when the nights have become quite cool and other varieties of sweet corn have lost their green, fresh appearance. There is no variety that is better for the private garden. Pkt. 10c; ½ lb. 25c; lb. 40c, postpaid.

with deep kernels, white in color. Main crop sort. Pkt. 10c; lb. 40c; by express or freight, lb. 30c; 10 lbs. \$2.60.

Country Gentleman. One of the most delicious and sweetest of all the sweet corns. A main crop variety. It is extremely productive, its stock averaging three ears and sometimes as many as five. Pkt. 10c; lb. 45c; by mail. Lb. 35c; 10 lbs. \$3.25 by express or freight.

Papago Corn. The prehistoric sweet corn of the Indians of Arizona and New Mexico. The Government Experiment Stations have been working with this arid land sweet corn for several years improving it as to size and still retaining its drought resisting qualities. Papago corn will make on a minimum of rainfall. Especially recommended for arid regions. Small kernels. Pkt. 10c; ½ lb. 25c; lb. 45c, postpaid.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

POP CORN

Culture. Plant in rows and manage same as other varieties of corn. Use three to four pounds of seed per acre. To get best results for popping, the corn must be thoroughly matured and dried. Year old corn is best.

White Rice. The most popular variety—making a large white popped corn. Lb. 30c, postpaid. Larger quantities at market prices.

Golden Queen. The stalks grow six feet high and the large ears are produced in abundance. It pops perfectly white, and a single kernel will expand to a diameter of nearly one inch. Per lb. 35c, postpaid. Write for quantity price.

Midget (New). Very small kernels make fine fluffy popped corn. Every grain pops. No waste. Heavy producer. ¼ lb. 15c; lb. 40c, postpaid.

NOTE

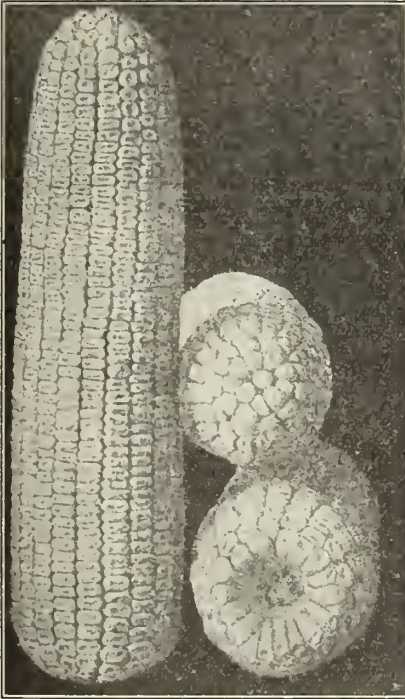
Owing to the great fluctuation on all agricultural seeds, we cannot hold ourselves liable to quotations in large quantities. So when in the market kindly note quantities you need and ask for spot current prices.

FIELD CORN

Write for Quantity Prices

YELLOW DENT VARIETIES

Culture. In Southern California corn may be grown as a second crop on damp or irrigated lands after a crop of hay or potatoes. Irrigate your ground thoroughly as soon as your first crop is out of the way; plow and harrow well, then irrigate again and work up your land and plant your corn three kernels in a hill, hills two feet apart in rows three to four feet apart. For dry farming keep your soil well worked during the spring and when cold weather is over plant your corn three by four feet apart.



Golden Beauty Corn

Iowa Gold Mine. A large yellow dent corn, with large kernels and a small cob. A very heavy yielder. Lb. 25c, postpaid. By express or freight, lb. 15c; 10 lbs. \$1.00.

Mastodon. A prolific, medium yellow variety, with medium sized kernels. Lb. 25c, postpaid.

Golden Beauty. The best yellow dent corn we have found for this section. This large, broad, yellow dent corn has long ears covered to the extreme ends with bright golden yellow grains. The cob is small making the product of shelled corn large. Exceedingly heavy cropper. Lb. 25c, postpaid. By express or freight, lb. 15c; 10 lbs. \$1.00. Ask for prices on large quantities.

King Philip or Longfellow, 90-day. A long eared yellow dent corn, originally with 8 rows but now improved till it has from 12 to 14 rows to the cob. King Philip will make corn when the ground is too dry for other corn to develop. Per lb. 20c postpaid. By express or freight, lb. 10c; 10 lbs. 90c. Ask for prices on larger quantities.

Leaming. A tall, early variety with heavy foliage. The kernels are long and deep yellow. One of the most popular corns grown. Lb. 20c, postpaid. By express or freight, lb. 10c; 10 lbs. 90c.

WHITE DENT VARIETIES

Red Cob, Ensilage. A large stalk with a profusion of leaves which makes it the most desirable for ensilage. Lb. 25c, postpaid. By express or freight, lb. 15c; 10 lbs. \$1.00. Ask for quantity price.

Hickory King, 110 Days. A white variety, having the largest grain with the smallest cob ever introduced in a white corn. We sell more Hickory King Corn than all the other varieties put together. Although it is a late variety it is exceedingly popular in Southern California. Per lb. 20c, postpaid. Price on application.

Wisconsin White Dent. A perfect White Dent corn of good quality. Per lb. 25c, postpaid.

LEEK

Culture. Sow in drills one foot apart, half inch deep in light rich soil; transplant when large as pencil, to 10 inches in the row. One ounce of seed to 100 feet of drill.

Large Musselburgh. A very large growing variety, and a favorite with many. Pkt. 5c; oz. 30c; lb. \$3.00.

Monstrous Carentan. A fine variety with dark colored leaves. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

EGG PLANT

Culture. Sow seed in hot bed early in Spring. Transplant to boxes or cold frames when third leaf appears, setting plants two to four inches apart, or, they may be put in small pots. Always keep plants from frost. After danger of frost is over set in permanent place two feet apart in rows three to four feet apart. Spray with Black Leaf 40 for Aphids and with Paris green or arsenate of lead for leaf beetle.

New York Improved. Finest variety yet produced. Pkt. 10c; oz. 75c; ¼ lb. \$2.25; lb. \$7.50.

Black Beauty. Fruit large, symmetrical in shape and uniformly of a rich, dark purple color. Fruit matures a little earlier than our New York Improved, but are not quite as large. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$7.50.

KOHL RABI

Culture. Kohl Rabi produces turnip like tubers just above the ground having the flavor of the heart or stem of cabbage but much more tender. It is essential that they are grown quickly and continuously, otherwise they are tough and bitter.

Sow seed one inch deep where the plants are to grow during cool months, thin out when two or three inches high. One ounce will plant a 100 foot row.

Early White Vienna. The earliest sort, very tender, excellent for table use. Pkt. 5c; per oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

Early Purple Vienna. Similar to above but has flesh of a purple color. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

Goliath (New). An improved white variety, grows quickly to a large size and is very tender and sweet. Pkt. 5c; oz. 30c; ¼ lb. \$1.00.

KALE or BORECOLE

Culture. Same as for Cabbage. Of it may be grown direct from seed and the young plants thinned out to the desired space. Largely grown for greens for poultry. Can be grown any time in the year, but best results are obtained by sowing seed during fall and winter. Have your transplanted plants 12 to 18 inches apart in the row and the rows three feet apart.

Dwarf German Kale. German Greens or Sprouts. Dwarf Curled Scotch Kale. The leaves are curly, bright green; very tender and delicate in flavor. Pkt. 5c; oz. 25c; ¼ lb. 80c; lb. \$2.50.

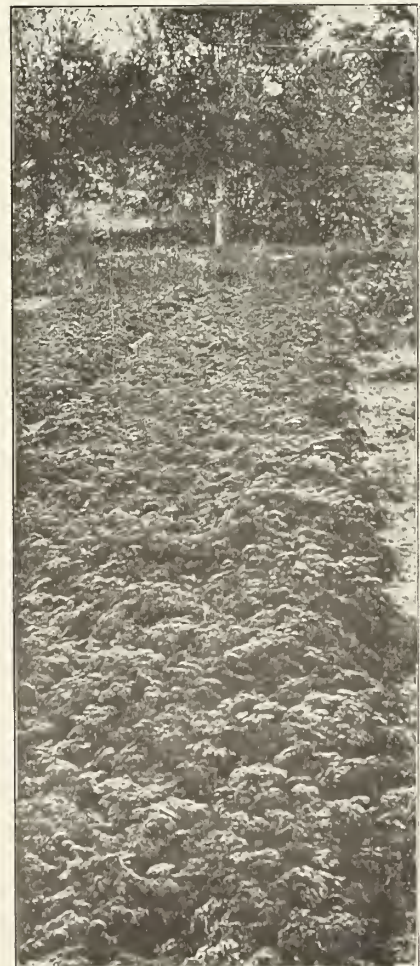
Tall Green Curled Scotch. This makes a beautiful plant, about 2½ feet tall. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. \$1.00.

Jersey or Tree Kale. A very hardy variety used mostly for poultry and stock purposes. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

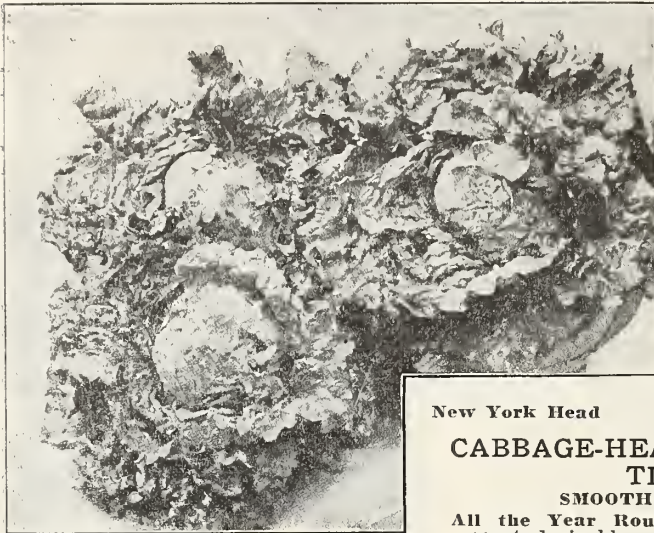
Thousand Headed. This variety sends up many heads from the base and is a very heavy producer. Per pkt. 5c; oz. 15c; lb. \$1.25.



Tall Green Curled Kale



Bed of Moss Curled Parsley



New York Head

LETTUCE

Culture. Have the soil well pulverized and moist. Sow the seed in drills twelve to eighteen inches apart and not over half inch deep. Do not allow the seed to get dry after being sown (See "A Word About Soils"). When the plants are two inches high thin to about eight inches, or transplant. The transplanted plants will mature two to four weeks later than those grown direct from seed.

Well watered, rich loam soil well worked and kept free from weeds insures a fine brittle lettuce.

CABBAGE-HEADED CURLED LEAVED

Iceberg. Large curly leaves, light green, with a very slight, reddish tinge at the edges. Delicious, crisp, nutty flavored heads, often attaining 8 to 12 oz. each. Iceberg can be planted the year round and is practically the only Lettuce that will head at all satisfactory during the summer months. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Wonderful. One of the most popular lettuces on the Los Angeles market. It makes a larger and flatter head than the New York Special, with which it is sometimes confused. Head very solid, crisp and buttery; green outside but white inside. This lettuce should not be sown before October nor after March, as it will not head during warm weather. Pkt. 5c; oz. 20c; ¼ lb. 70c; lb. \$2.00.

Hanson. Similar to Iceberg, without the tinge of red. Heads to perfection when planted during February, March and April. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

NEW YORK SPECIAL or LOS ANGELES MARKET

To meet the demands of the shippers of Winter vegetables, we went to considerable expense to get this lettuce. It is a selected strain of the Wonderful Lettuce grown for the local market for many years. It has a very solid conical head, making it especially valuable for packing and shipping. It is of fine flavor. It takes well wherever offered.

The leaves are dark green outside but inside the heads are pure white and well crimped.

This lettuce is shipped to all parts of the United States, and is known as the Los Angeles Lettuce.

Pkt. 5c; oz. 20c; ¼ lb. 70c; lb. \$2.00.

CABBAGE-HEADING VARIETIES

SMOOTH LEAVED

All the Year Round. Is one of the most desirable of all smooth leaved varieties. Solid heads with heart as yellow as gold. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Big Boston. A very early new variety, forming fine hard heads within a few weeks after planting. It is medium sized, light green, with buttery crisp heads. There is just a faint tint of brown on the head. It is essentially a spring sort and does well all summer. Being of rapid growth and quick heading it is especially recommended for the home garden and is universally esteemed. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

California Cream Butter. This lettuce has become the most popular of all smooth leaved varieties. It is of good flavor and beautiful in appearance. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

May King. The new variety from Europe. The earliest fine large heading variety, very highly recommended. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Tennis Ball. Similar in every respect to California Cream Butter except in size. It forms a solid head and is best for early forcing. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Brown Dutch. This is one of the largest and finest flavored lettuces, of the brown headed variety, which we recommend to all who like a rich buttery lettuce. It forms very large heads, the outer leaves brown and the heart being yellow. Pkt. 5c; oz. 10c; lb. \$1.00.

Denver Market. A handsome variety, forming tight, conical heads. The leaves are very deeply savoyed, and even the outside leaves are tender and crisp. Color is light green. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

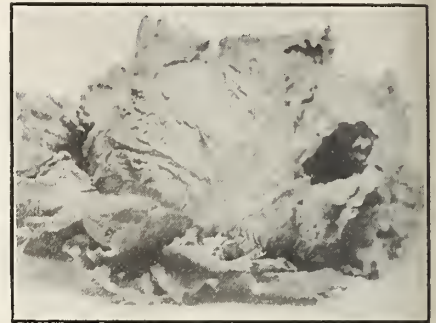
LOOSE HEADING VARIETIES

Black Seeded Simpson. This is a very popular variety as a loose leaf lettuce. The leaves are large, thin, very tender, and of very good quality. It is one of the best sorts for under glass as well as for early outdoor planting. Lb. \$1.00; ½ lb. 30c; oz. 10c; pkt. 5c.

Prize Head. This excellent lettuce has no superior, having tried it once you will want it again. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Grand Rapids. A loose leaf, very early forcing variety; very popular for growing in cold frames or under glass. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Early Curled Simpson. One of the best early sorts. The leaves tend to produce a large loose head, beautifully crimped. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.



Iceberg Lettuce

COS LETTUCE OR ROMAINE

These Lettuces have a distinct upright habit and are considered by many to be the highest quality of all lettuces. Very crisp and sweet.

Paris White Cos. Grows to large size. Self-closing. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.

Giant White Cos. Grows about ten inches high, the outer leaves fold well toward the center. The inner leaves are blanched quite white; very crisp and mild. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

ENDIVE

Culture. This vegetable is highly esteemed as a salad. Sow small quantities at different times to insure a plentiful supply, as these crops soon run to seed. When the plants are three or four inches high, transplant one foot apart, each way, then blanch the leaves by gathering them carefully together and tying, when perfectly dry, with Raffia. A much neglected vegetable which grows to perfection in California, also called Chicory and Escarolle.



Moss Curled Endive

Broad Leaved Batavia. Broad, nearly plain; light green; best for soup. Pkt. 5c; oz. 15c; ¼ lb. 60c; lb. \$1.75.

Moss Curled Green. Moss-like appearance, beautifully curled. Pkt. 5c; oz. 15c; ¼ lb. 60c; lb. \$1.75.

Moss Curled White. Does not need blanching, the midribs being naturally of a pale golden yellow, and the finely cut and curled leaves almost white. Pkt. 5c; oz. 20c; ¼ lb. 70c; lb. \$2.00.

GARLIC---See Onions

MUSTARD

Culture—Sow the seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow fifty feet of row.

Glant Southern Curled—Large variety forming a great mass of the beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. Pkt. 5c; oz. 10c; ¼ lb. 40c; lb. \$1.25.

White English—Light green variety tender leaves. Seed light yellow. Pkt. 5c; oz. 10c; ¼ lb. 20c; 60c.

Chinese—The leaves are twice the size of the ordinary White Mustard, while the flavor is sweet and pungent. Per pkt. 5c; oz. 10c; lb. \$1.25.

Ostrich Plume or Fordhook Fancy—The plants of vigorous growth, have beautiful dark green leaves which curve outwardly like a fine ostrich plume. Even those who do not care for mustard as a piquant salad will be delighted with the leaves of Fordhook Fancy, cooked like spinach, any time during the summer. It is even superior to the best spinach in flavor. Try it. Per pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

MUSHROOM SPAWN

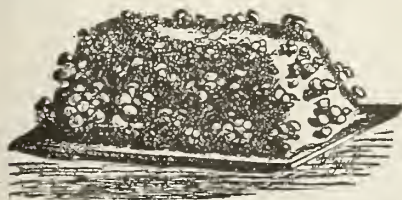
The idea of raising virgin spawn, by sowing the spores of the best Mushrooms, has occurred to many minds, but all endeavors remained fruitless until Dr. Repin, after countless experiments, has succeeded in producing virgin spawn at will. The Virgin Spawn, now manufactured according to Dr. Repin's process, is characterized by its great vigor of growth, and being raised from spores of the healthiest Mushrooms only, it is entirely free from noxious bacterial organisms, which are often prevalent in spawn that has not been sterilized by this new process. It is therefore not so liable to be attacked by diseases, a consideration which does away with one of the great drawbacks in mushroom growing.

Each tablet should be split into two or three parts, each part being used separate and set into the bed in such a manner that the surface which was inside the tablet and which has just been laid open, comes into intimate touch with the prepared manure. A rapid and even growth of the spawn through the whole bed is thus efficiently secured.

Cultural Directions—(A small pamphlet) 5c each.

SPAWN

Lambert's (American) Pure Culture Tissue Spawn has met with immense success, in many places the yields being nearly twice what they formerly had been. Price per brick, 25c; 6 bricks \$1.25. Add 10c a brick for postage.



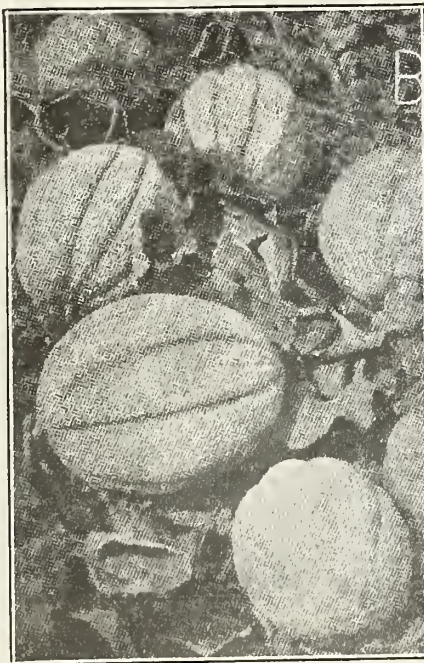
Mushrooms

MUSK MELON

Note—Melons require a strong fertile soil. The better condition you have your land the better melons you get. We earnestly recommend the sowing of a cover crop for the upbuilding of your soil. In the Fall after the first rain, plow and harrow your ground and sow one of the cover crops or better yet plant Yorkshire Hero Peas and pick the first crop or two for market then plow the green vines in deep. This will give nitrogen and humus to your soil in an available condition from which your melons will draw their nourishment the following season.

Culture. Sow in hills six feet apart in rows eight feet apart. Drop about 8 to 10 seed to the hill; cover one inch deep. Apply Tobacco Dust before the plant appears above the ground, to keep away beetles. When the young plants begin showing character thin each hill to two strongest plants. One ounce seed will plant 70 or 80 hills, two pounds to an acre.

Spray with Black Leaf 40 for Aphis. 75c; lb. \$2.50.



Burrell's Gem Melon

California Beauty. Fruits of large size, well flattened, heavily ribbed and netted. Of very handsome appearance and fine quality. Most highly recommended; it ripens as early and is similar to Hackensack, but superior. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Champion Market. A splendid variety of the Netted Gem type, producing fruit nearly three times as large as the original Gem or "Rocky Ford." The melons are regular in form, nearly round, averaging eight inches in diameter, with heavy well-netted ribs, thick light-green flesh, with very thin rind and true Netted Gem flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Columbus. A medium sized, heavily netted round melon without ribs. The flesh is thick and of fine flavor with the small seed cavity. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Extra Early Hackensack. Sometimes called Turk's Cap. A large round melon flattened at the end and well

MUSKMELONS

BURRELL'S GEM CANTALOUPE

Delicious flavor. Flesh golden and very thick, fine grained. Uniform in size and weight. An ideal market variety. Shape slightly elongated; meat very thick, fine grained and spicy, not containing too much water or acid. Seed cavity small, triangular, with seed held closely in place in three lobes. This is one of the first points to consider in shipping melons. The average weight is two and one-half pounds; uniform length about six inches, and the thickness four and one-half inches.

Not only is this an excellent shipping melon, but for quality it is excellent and very satisfactory for the amateur grower for home use.

Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

ribbed. The skin is deeply netted. flesh is green and of a delicate flavor. Pkt. 5c; oz. 15c; lb. \$1.25.

Gautier's Pineapple has been the leading muskmelon on the local market for several years and will, no doubt, hold that position for some time, as it is certainly one of the best melons for size, shape and appearance yet produced, and when raised under proper conditions is of fine texture and flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Jenny Lind. Very solid and sweet flavor; heavily netted and deeply ribbed. This melon is rather small and quite flattened in form, just the right shape for serving for breakfast. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Large Green Nutmeg. An excellent melon for the grower and the shipper. Similar to the Hackensack in shape. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Casad's Improved. A melon of delicious flavor with thick, smooth, fine ground flesh. Casad's Improved is neither a Casaba nor true muskmelon, but a delightful combination of the two, producing an exceedingly choice table melon of very prolific nature. Pkt. 25c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00.

Banana. A long, slender melon of deep yellow flesh. The taste is very pleasing, of a banana flavor. An old favorite. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Montreal Market. A large-fruited variety, nearly globular with flattened ends. Skin dark green; heavily netted. Flesh light green. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Netted Rock. The meat is very deep, light green, fine grained, spicy and sweet. The cavity is small and the seed almost completely fill it, so that there is little chance of decay in shipment from the loosening of the seeds. This melon is grown more than any other by the large shippers of California and Colorado. Write for special prices on large quantities. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Osage Gem. Combines the shipping qualities and flavor of the Osage and Netted Gem (Rocky Ford). A splendid shipper. Outside like the Netted Gem, inside like Osage or Paul Rose, it pleases the eye on sight and confirms the impression by its color and exquisite flavor when cut. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Paul Rose. A very heavy cropper, ripening an enormous number of fruits. The flesh is salmon color, very deep, and of fine melting character with thin rind and small seed cavity. Pkt. 5c; oz. 15c; lb. \$1.25.



Honey Dew Melon

HONEY DEW (NEW)

An oblong melon with smooth white tough rind. Excellent shipping and keeping melon. Flesh is light green and very sweet. The Honey Dew is very popular on the eastern market. One shipping concern cleaned up \$50,000 from a little over a hundred acres grown in California and Arizona. We believe this melon will be a big seller on our local market. Pkt. 10c; oz. 25c; ¼ lb. 25c; lb. \$2.50.

Rockyford. It is a small early melon; flesh is deep and thick and light green in color, except next to the seed where it inclines toward yellow. The flavor is exceedingly fine. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Tip Top. Selected stock. A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality; every melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy of finest flavor, edible to the very rind. It is a strong grower and a heavy yielder, and of handsome appearance. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

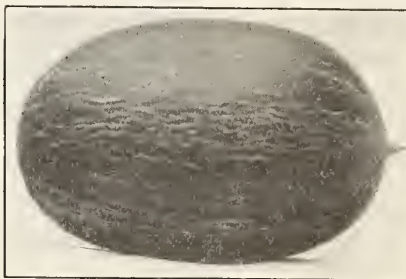
CASABA VARIETIES

Armenian. A fine melon of delicious flavor between the Hybrid Casaba and muskmelon. The Armenian melon was brought here from the Holy Land by parties traveling there who were favorably impressed with its excellent flavor and good appearance. It has the shape of the Montreal Market, lightly netted with a dark green skin but with the keeping qualities of the Casabas. We can fully recommend this melon and advise a trial of it at least. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.

White's Favorite. A round yellow rind Summer Casaba of considerable



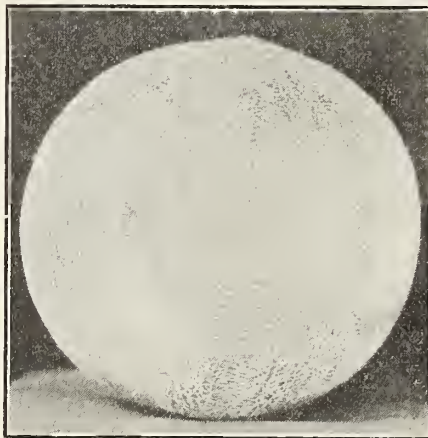
Hybrid Casaba

**Mixture of All Classes of Casabas from our Experimental Trials.**

merit. Earlier than the other Casaba and is handled the same as Muskmelons. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

Casabas—In Fine Mixture saved from our experiment plantings of many classes of imported and domestic unnamed varieties of every shape and size from one to 20 pounds, many of which look very promising. Pkt. 10c; oz. 20c.

Christmas or Santa Claus. This is the oblong mottled melon, which has become so popular throughout the southwest. It is being shipped all over the United States during late fall and winter months. The rind or shell is hard and about one-eighth of an inch thick. The flesh is light



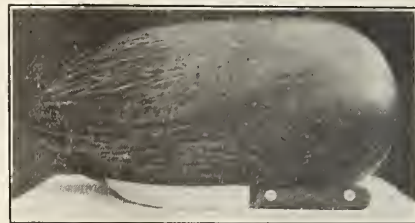
New Columbus Casaba

green in color and of a deliciously juicy flavor. There is no seed cavity, the seeds are in the thick pulp which is a continuation of the flesh. Do not pick this melon before it is ripe if you want to get the best flavor. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Golden Beauty. This melon is very similar to the Winter Pineapple except that it has a golden yellow rind. A fine keeper and shipper. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Winter Pineapple. This is the original variety of the Casaba (and has been a favorite ever since) first grown here. It is the wrinkled green one with somewhat of a cucumber flavor, it is being used very extensively for shipping East for the holiday and winter trade. When well packed with straw in crates they arrive at destination in fine condition. Pkt. 10c; oz. 20c; lb. \$2.00.

Hybrid Casaba. This is with the Old Summer the largest of all the Casabas, attaining 16 to 18 lbs. Outside it is a pale green in color and heavily ribbed and wrinkled. The flesh is creamy white in color and from two to three inches in thickness. The meat simply melts in your mouth. We have a select strain of



this seed. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Improved Hybrid. This melon is not as large as the Hybrid Casaba and has a deep green color outside. This is the par excellence of the Casabas. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Columbus Casaba—Our new Casaba. The best variety, selected from many European and Domestic varieties, which we have been testing out. This promising to be the best of all the many varieties under trial. Melons medium to large, averaging about 6 lbs.; perfectly round without ridges. Highly netted and extremely showy, with deep rich salmon colored flesh, which for quality is unsurpassed by any Casaba we have tested. This variety is highly recommended for its many fine qualities, and being one of the most showy, is sure to sell well. (See illustration on this page, reproduced from photo.) Pkt. 10c; oz. 30c; ¼ lb. \$1.00, lb. \$3.00.

THE MARKET FOR PRODUCE

As a source of supply for winter vegetables Southern California has become fully as prominent as it is as a tourist rendezvous. From a beginning of simply supplying the permanent and tourist population with fresh garden truck, this business has grown to such proportions that it requires thousands of freight and express cars to distribute the produce. Shipments are made to all parts of the United States through organizations that maintain selling agents or distributors in the larger cities throughout the country. These organizations or shippers either contract with growers for certain acreage of stuff or buy outright for their immediate needs and since there is competition between the shippers for the produce the grower in general gets better returns by disposing of his produce through a shipper than to ship on his own account in which case the producer must rely upon a broker or commission merchant to distribute the consignment to the best of his ability.

For conserving produce for distribution throughout the most of the year we have the cold storage for keeping the perishables and warehouses for the staples such as potatoes, dry beans and grains. The grower himself is not always in position financially to store his produce so it falls to the broker or middleman to help out the situation. He buys the produce at harvest or many times he advances money to the grower to raise the crop for him. This crop is stored for distribution later giving the consumer a supply of succulent summer vegetables well into the winter. This method saves a glut on the market at harvest time.

Although a great quantity of our produce is disposed of by shipping to outside markets this by no means represents the only source that the grower has of disposing of his crops. Canneries have been established at various centers where tons of fresh vegetables are canned and where the farmer can contract his entire output to advantage. Many a day have the canneries saved the market from a slump by taking all surplus at a fair price.



Klondyke or Pasadena Water Melon

WATERMELON

Culture. As soon as the weather becomes settled, about the first of March, select a rich sandy loam soil which has been plowed deep and well harrowed. Plant 6 to 10 seed one or two inches into moist soil, in hills 10 to 15 feet apart each way. When young plants show character, thin out to 2 or 3 best plants in each hill. Keep your ground well cultivated and free of weeds. The best flavored melons are grown without irrigation. One ounce to 50 hills, 2 lbs. to an acre.

Apply Tobacco Dust or slacked lime before the plants come up to keep beetles away.

KLONDYKE (Special)

We have made arrangements with one of the best melon growers, Chas. Richardson, to save for us and put up under his own supervision, Klondyke Watermelon Seed grown from the original stock of which he has been carefully growing since this wonderful melon was first introduced. To our own knowledge Mr. Richardson has been handling this particular lot with the best of care and we feel proud that he gives us this opportunity to offer the original strain of Klondyke in pound packages at \$2.50 per lb.

Klondyke or Pasadena. Has certainly won favor in the San Gabriel Valley, but seemed to have failed in the coast melon district. This melon is oblong, of dark green rind with bright red flesh, very crisp, and as sweet as sugar. This melon has taken the market at Pasadena and other foothill towns. Pkt. 5c; oz. 25c; lb. \$2.00.

Alabama Sweet. This is a very popular variety in the South where they grow it in preference to any other melon. In shape it is long, color dark green, flesh red and absolutely stringless. Pkt. 5c; oz. 10c; lb. 75c.

Angeleno. Is a cross from the famous Chilian. It is somewhat larger in size than the parent, but of equally as good shipping and eating qualities. The Angeleno is an unusually heavy cropper. Its very dark green glossy skin in contrast with its dark red crisp flesh makes it a most tempting looking melon. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Florida Favorite. A favorite in San Joaquin Valley; fine, large, very fine flavored. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Halbert Honey. A very sweet, long, dark green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delightfully delicious flavor; pulp entirely free from stringiness. One of the finest for the home garden. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid.

Kleckley's Sweet. One of the finest melons on the market. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Improved Kolb's Gem. A very heavy yielder. Large and fine shipper. Pkt. 5c; oz. 10c; lb. 75c.

True Ice Cream. Yellow fleshed. The great home market melon. It has too thin a rind for shipping unless packed in straw. Few, if any, surpass a True Ice Cream for quality and productiveness. Lb. \$1.50; ¼ lb. 45c; oz. 20c; pkt. 5c.

Georgia Rattlesnake. Out of the oldest and most popular sorts and frequently known as **Gypsy**. A large oblong variety with decided stripes, of light and deep green. Rind is tough, but flesh is of good quality and bright red; a good shipping and market melon. Is quite as generally used by the large melon growers as Kleckley Sweets and is more profitable, being very easily grown. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Tom Watson. (New). A Watermelon of superior shipping qualities with all the good points of a home garden Melon. Tough thin dark mottled green rind, bright red flesh, which is deliciously crisp and tender. The mature melons weigh from 40 to 60 pounds and are from 18 to 24 inches long. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25.

CHILIAN VARIETIES

Black Seeded Chilian. A variety brought from South America several years ago. It originally had black seed, but like other black seeded melons grown in this section, continually, the seeds have become almost entirely white. The black-seeded Chilian is much earlier than the other strains and seems to have a better flavor, and it certainly is a much prettier melon when cut open. We have procured some black seeded Chilian seed grown from the original stock, with the yellow belly, and we know all who try it will be well satisfied. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Red Seeded Chilian. A fine strain of this melon and much sought. Pkt. 5c; oz. 10c; lb. \$1.25.

White Seeded Chilian. The strain mostly grown, and a great favorite with the commercial growers. This we have in extra selected stock. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25.

BLACK SEEDED ANGELENO

For several years it has been the ambition of most melon growers and seedsmen to perfect a **Black Seeded Angeleno**. There have been limited quantities of this variety at different times but never before has anyone been able to supply the seed of the **Black Seeded Angeleno** in quantities sufficient to plant large acreage.

The Angeleno has been one of the most popular melons on the Southern California markets. The dark green rind appeals to the buyer and attracts the attention of the consumer. The dark red flesh and excellent flavor of the melon pleases the consumer.

Although the rind is thin the Angeleno is a good shipper and will stand a haul of 200 to 400 miles in car loads and arrive in good condition.

Now we offer a melon with all of these merits with the added advantage of having **Black Seed** which makes it very attractive wherever a cut melon is exhibited, especially advantageous for restaurant and cafeteria trade.

Black Seeded Angeleno—Our seed is especially grown and saved for seed purposes; thoroughly ripened. Price pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00, postpaid. Write for prices on larger quantities.

Arkansas Traveler—The largest melon we have found; still of excellent flavor. This melon has a good rind that will protect it for shipping. The flesh is dark red with dark colored seeds. Pkt. 5c; oz. 10c; lb. 90c.



Chilian

CITRON

Citron, Red Seeded or Colorado Preserving. A small, globular variety, striped and marbled with light green. Flesh white and solid; seeds red. Used exclusively for pickles and preserves. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Citron, Green Seeded. An oblong dull green variety about eighteen inches long. The flesh is green with green seeds and is used largely for stock feeding. A common plan is to split them open with an axe and feed them to cattle in the field. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

ONIONS

Culture. The most common method of culture is to drill seed thick in the rows quite shallow and rows from 18 to 24 inches apart. After plants are as large as pencils thin out to about three to five inches, according to the variety, transplanting those taken out to about the same distance, after cutting back the tops and roots. Or they can be grown thickly in beds and transplanted to rows. Can be sown any time of the year, and really there is no excuse why fresh onions cannot be had every day in the year. For early onions in the Spring, plant sets during the Fall, which mature much more quickly than from seed. Beware of cheap quotations on this seed, as much inferior stock with poor germination is offered, some many years old. Our stock is fresh and of very highest quality and germination.



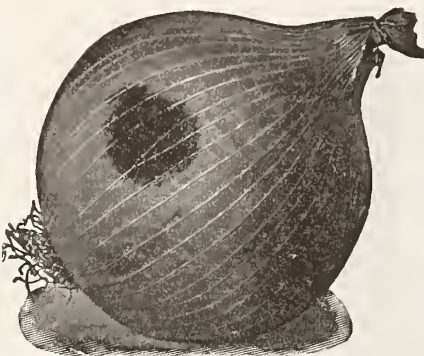
Southport White Globe

Australian Brown. Of small size but the greatest keeper yet introduced. If planted on a good soil and properly cared for, this crop will bring more money than any other variety. Oz. 25c; ¼ lb. 75c; lb. \$2.50.

White Bermuda. While this is called white, it is really a straw color. Pkt. 5c; oz. 35c; lb. \$3.50.



White Bunching Onion



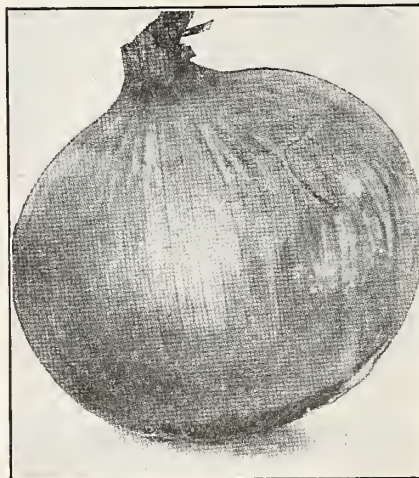
Australian Brown Onion

Red Bermuda. A very early variety of dull red—flat. Very productive. Pkt. 15c; oz. 35c; lb. \$3.50.

Crystal Wax. White Bermuda. A very large silver skin variety; very productive and is grown in great quantities. Pkt. 10c; oz. 50c; ¼ lb. \$1.60; lb. \$5.00.

Early White Queen. One of the early Spring varieties; medium size and very mild in flavor. Pkt. 5c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

Early White Welsh Onion (for green onions). This kind does not form a bulb but is one of the best kinds for "green onions." The plants are perennial and can remain in the ground for years with but slight protection. This is the sweetest of all onions. Pkt. 10c; ½ oz. 15c; oz. 25c.



Yellow Danver Onion

Large Red Wethersfield. Large size; of deep red. An old standard variety. Pkt. 5c; oz. 45c; ¼ lb. \$1.50; lb. \$4.50.

Mammoth Silver King. A large variety of the "silver skin" kind. Very mild and a fine table variety; good cropper and matures quickly. Pkt. 5c; oz. 50c; ¼ lb. \$1.50.

Southport White Globe. A pure white globe shaped variety. Forms handsome hard onions with wax-like pearl-white flesh. The best keeping white onion. Is used a great deal for green onions owing to the clear white stem. Pkt. 5c; oz. 70c; ¼ lb. \$2.25; lb. \$7.00.

Prizetaker. A beautiful variety of large size; rich yellow color. Pkt. 5c; oz. 50c; lb. \$5.00.

White Portugal, or Silverskin. The best known and most largely used white onion. Is flat on the bottom and thick toward the top. Very hard and firm and an excellent keeper. Is largely used for white onion sets as well as for market onions and pickles. Pkt. 5c; oz. 60c; ¼ lb. \$2.00; lb. \$6.00.

Yellow Globe Danvers. We have had grown for us by an expert grower, Yellow Globe Danver Onion which is absolutely the best grown in California today. Pkt. 5c; oz. 50c; ¼ lb. \$1.70; lb. \$5.00.

White Bunching. This is an onion with a large neck especially used for young green onions, mild and sweet. Pkt. 5c; oz. 55c; lb. \$5.50.

ONION SETS



Onion Sets

Plant near the surface, in rows 12 inches apart and 4 inches between the sets. When raised from sets, the onions can be used in the green state or may be ripened off for large onions, in which case they are fully six weeks earlier than when raised from seed. Prices are subject to market fluctuations as the season advances.

Onion Sets. Can be furnished nearly the year round. Yellows and browns from Sept. to June at 35c per lb., postpaid. Silverskin sets from August to March at 40c per lb., postpaid.

Bermuda Sets. White and Crystal Wax can be supplies from June 15 to Oct. 35c per lb. postpaid. By express or freight 25c per lb. Special prices on large quantities.

MULTIPLIERS

White and Brown. Produce a large cluster of small to medium sized onions from a single bulb. Lb. 35c.

GARLIC

Culture. Garlic is grown from the clove or cell of matured bulbs. Planting should begin during October in well prepared soil and may continue till the 1st of April, but the early set garlic gives better yield. Keep in growing condition by irrigating when necessary and cultivating and weeding. Harvest when the tops turn yellow. One pound will plant 150 feet of row, 200 lbs. per acre.

Garlic. Lb. 20c, 10c a pound extra for postage. Larger quantities are furnished at prevailing market prices. Please write for quotations.

PARSNIPS

Culture. Work your soil well to depth of at least a foot. Sow from September to following May in drills 15 inches apart, covering ½ inch deep. When well up, thin out to 5 or 6 inches in the row. The seed is slow to germinate, hence should be sown in soil that holds moisture well. One ounce to 200 feet of row. Five pounds to an acre.

Guernsey. This parsnip is the most popular with our market gardeners. It is scarcely more than half as long as the Hollow Crown, but is often three inches in diameter. Pkt. 5c; oz. 15c; ¼ lb. 60c; lb. \$1.75.

Hollow Crown. The most popular and best variety for all purposes. Skin smooth and white, and flesh tender, while the root grows eighteen to twenty inches long. The best part of it is contained in the first eight inches from the top. It is particularly fine, smooth and regular. Pkt. 5c; oz. 15c; ¼ lb. 60c; lb. \$1.75.

PARSLEY

Sow the seed in moist loamy soil. Thin the plants to six inches apart in row or transplant to that distance. One ounce will produce about 600 plants.

Best results can be obtained by sowing parsley seed after December 1st and up to June 1st. When planted during Summer and Fall, it is liable to run to seed quickly.

Champion Moss Curled. Extra dark leaves. Leaves crimped and curled. Pkt. 5c; oz. 15c; lb. \$1.25.

Emerald or Dwarf Extra Curled—Leaves tender, beautifully crimped, handsome, bright green in color; very ornamental. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Hamburg, or Turnip Rooted. A plain-leaved variety, forming a long, thick, edible root. Pkt. 5c; oz. 10c; ¼ lb. 30c.

Plain or Single. A very hardy variety, resembling a wild plant. The leaves are flat and not curled. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

PEPPER

Culture. Pepper seed should be sown early in March, either in a warm hot-bed or in a box of rich soil in a sunny window of a warm room. One-half fine, rotted manure and one-half garden soil will make a fine seed bed. Sow the seed thinly and cover lightly, press down the surface and keep moist with slightly warm water. When plants are an inch or more high plant them in small pots, using rich soil as above or transplant so as to stand three inches apart each way in the hot-bed. Give plenty of air on warm days and use tobacco dust to keep off insects. Plant in the open ground when frost is past, setting plants in rows three feet apart for large varieties and one foot apart in the row. Keep the soil loose and fine by frequent hoeings.

In frostless districts for winter Pepper start the seed in August, and set in the field in December and January.

Anahelm Chili. This is the pepper so well known locally. We have produced at extra cost, a superior strain of this seed. It is greatly superior to the common Chili. Pkt. 5c; ¼ oz. 15c; oz. 50c; ¼ lb. \$1.60; lb. \$5.00.

Chinese Giant. The largest of the Bull-nose type. Fully twice as large as the popular Bell. Very mild, thick meat with large cavity for stuffing. Pkt. 10c; ¼ oz. 25c; oz. 90c; ¼ lb. \$3.00; lb. \$9.00.

Chile Bolita. A very hot, round chili pepper used in sauces and for pickling. Pkt. 5c; oz. 35c; ¼ lb. 90c.

Cayenne—A long slim pod, rather pointed, and when ripe a bright red color. Extremely strong and pungent. Pkt. 5c; oz. 20c; oz. 60c.

New Red Pepper, "Chinese Giant." This is the largest pepper in existence. The plants are strong and vigorous in growth, but of stocky habit, seldom more than two feet in height. The monstrous fruits are of thick blocky form and of the most brilliant glossy scarlet. They average four inches in breadth at the top and of equal length, divided into four or more large ridges, and when ripe are indented at the blossom end. The flesh is unusually thick and extremely mild,—as sweet as an apple, and makes an excellent salad sliced and served like tomatoes.



Our Select Chinese Giant Pepper

Large Bell or Bull Nose. A very large sort of inverted bell shape. Flesh thick, hard and less pungent than most other sorts. Most popular size for stuffing. Lb. \$6.00; ¼ lb. \$2.00; oz. 60c; ¼ oz. 20c; pkt. 5c.

Pimiento. The great canning pepper. A top-shaped pepper with very thick meat; sweet and mild; can be used either green or ripe. Pkt. 10c; oz. 60c; per lb. \$6.00.

Mexican Chili. The old well known variety. Very hot. Pkt. 5c; oz. 40c; lb. \$4.00.

Ruby King (True). A great Bell pepper of deep shiny red color, the fruit looking as though it might have been varnished. Pkt. 5c; oz. 80c; ¼ lb. \$2.50 lb. \$8.00.

RHUBARB or Pie Plant

Culture. Sow the seed early in the spring in drills one foot apart, thinning out the young plants to four inches. The following spring transplant into deep, rich soil, from three to four feet apart. For immediate use, order the roots, which come into use at once. One ounce of seed will make 200 plants.

Burbank's Winter Crimson. This is more hardy than the other varieties and is therefore desirable for a winter rhubarb, as it will thrive all winter in this climate. The seed is very scarce. Per pkt. 10c; oz. 75c; ¼ lb. \$2.00; lb. \$7.50.

Giant Winter Crimson. An improved, much larger and therefore a much heavier producer than the Burbank. This variety comes true from seed. Pkt. 15c; oz. \$1.20; ¼ lb. \$4.00.

RHUBARB ROOTS

Burbank Winter Roots. Each 10c; doz \$1.00.

Giant Crimson Winter. Each 15c; doz \$1.50. Weight, 4 lbs. per doz. Ask for special price on large quantity.



White Velvet Okra

OKRA

Culture—Soak the seeds over night in warm water and plant in warm, moist loamy soil. Do not wet the bed again until the plants are up. Keep well cultivated. One ounce will plant 100 hills. Four pounds to one acre. Give each plant twenty-four inches each way.

Dwarf Green Prolific, or Density. A distinct variety growing about 14 inches in height; very productive, of fine smooth pods. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

White Velvet. This distinct and beautiful new Okra was originated in Georgia. The pods are very large, perfectly smooth, never prickly, round; not ridged or square as in other okras. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

The New Pimiento Pepper—Sweet As An Apple

PEAS

If ordering more than one pound of peas to come by post, figure the first pound at the prepaid price to cover packing and postage, and for the remaining pounds remit only post charges above the initial pound rate as shown in our chart on page 2.

Write for Quantity Prices

Culture. May be sown in California the year round. Sow in rows from 2½ to 3 feet apart, according to the variety. 50 to 60 pounds to the acre. Sulphur just as they begin to bloom, then at intervals of a week or ten days, will prevent mildew and also keep aphids away. Spray with Black Leaf 40 to control aphids. Treat the seed before planting with Nitrogen gathering bacteria; it greatly improves their growth.

Marrowfat. A very early, tall variety, with smooth, small peas of good quality and short, well-filled pods. Its fruit ripens practically all at one time, and is very popular with canners, who always desire to make but one cutting. Pkt. 5c; lb. 30c postpaid. By express or freight, lb. 20c; 10 lbs. \$1.75.

American Wonder. The earliest of all wrinkled peas. Of dwarf habit, growing from 9 to 12 inches. Pkt. 10c; lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. \$2.75.

Gradus, or Prosperity. This is the earliest large podded pea in cultivation. The peas are of the most delicious flavor. Pkt. 10c; lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. \$2.80.

Nott's Excelsior. Although a few days later than the American Wonder, the pods will average fully one-third larger. Pkt. 10c; lb. 40c, postpaid. By express or freight, lb. 30c; 10 lbs. \$2.65.

Premium Gem. This is a very desirable extra early dwarf wrinkled variety. Pkt. 10c; lb. 40c, postpaid. By express or freight, lb. 30c; 10 lbs. \$2.75.

Admiral or Senator. A comparatively new pea to Southern California. Medium growth, branches heavily and abundant producer. The pods are decidedly curved. The peas are the sweetest of any variety grown here. A good shipper and very popular with the growers and dealers. Pkt. 10c; lb. 40c, postpaid. By freight or express, lb. 30c; 10 lbs. \$2.70.



Yorkshire Hero Pea

Stratagem. A semi-dwarf variety with large leaves and large pods. The peas are dark green, wrinkled, and of good quality. Of all the Peas we list and all of those we have tried, we do not know of another variety so well adapted to most sections of our coast as Stratagem. The strain we offer is selected and every imperfect plant carefully rogued out, and we believe we have the very best strain that can be had anywhere. Pkt. 10c; lb. 40c, postpaid. By express or freight, lb. 30c; 10 lbs. \$2.70.

Telephone. A fine, tall variety; immensely productive. Pkt. 10c; lb. 40c; by express or freight, per lb. 30c; 10 lbs. \$2.75.

Laxtonian (New). A very large podded pea of low growing habits. The vine is one and a half feet high, with an abundance of large, well-filled pods. The Laxtonian has been offered only for a couple of years, but is already given a prominent place by the more progressive seedsmen. Pkt. 10c; lb. 40c, postpaid. By freight or express, lb. 30c; 10 lbs. \$2.80.

Yorkshire Hero. The most popular market pea in this section. Abundant cropper and excellent in quality. Pkt. 10c; lb. 35c, postpaid. By express or freight, lb. 25c; 10 lbs. \$2.30.

Dwarf Gray or Sugar. (Edible pods). Of extraordinary yielding qualities. Unsurpassed as an edible podded variety. Height 2 feet. Pkt. 10c; lb. 45c, postpaid.



American Wonder Pea

Dwarf Telephone. This with the Stratagem are becoming our leading peas in Southern California. Dwarf Telephone bears large, green pods, very similar to the tall Telephone on plants 18 to 20 inches high. Pkt. 10c; lb. 45c, postpaid. Short crop; only limited quantities sold.

Alderman. This is an English introduction similar in growth to the Telephone but the pods are a deeper green and a few days later. The vine grows about five feet with numerous pods measuring five to six inches with seven to nine large peas of excellent quality. Pkt. 10c; lb. 40c, postpaid. By express or freight, charges not prepaid, lb. 30c; 10 lbs. \$2.80.

Little Marvel, New. A distinctly new dwarf extra early peas of unusual merits. We are sure that Little Marvel will, as soon as the trade gets acquainted with it, take the place of the two now popular varieties, Little Gem and Nott's Excelsior. The Little Marvel is of dwarf even growth, attaining an average height of fifteen inches and heavily set with fine pods, often borne in pairs, one and a half inches long. Pkt. 10c; lb. 40c, postpaid. By express or freight, lb. 30c; 10 lbs. \$2.75.

PEANUTS

Culture. Peanuts require a light, sandy, rich soil. Prepare your ground by spading or plowing to a depth of ten inches and pulverize with rake or harrow early in the spring; then thoroughly cultivate after each rain to kill weeds and make a mulch to hold the moisture until planting time. It is better to shell the peanuts for planting, being careful not to break the skin around the nut; although they may be planted unshelled. Planting should begin April 1st and may continue for two months. Drop the seed two inches deep in moist ground, two in a hill; hills fifteen inches apart in rows three feet apart. The young plant should be up enough to distinguish the rows in three weeks, when cultivation should begin. At the first signs of dryness, furrow out and irrigate. Cultivate and hoe to keep the weeds down. Keep in growing condition until frost nips the foliage, after which pull and lay the roots, with the nuts on, to the sun for a few days to thoroughly dry. When dry, the nuts are pulled off the vines and sacked. The tops may be used for stock feed. It requires 14 pounds of shelled or 30 pounds of unshelled peanuts to seed an acre.

Georgia. This is the best commercial variety and the one almost exclusively used for roasting. Per lb. 25c, postage at zone rates; see page 2 of our cover. Write for prices on large quantities.

Spanish. The small peanut used in confections and for salting. These are shelled. Per lb. 30c, postage extra. Ask for prices on large quantities.

POTATOES

Have your ground worked up at least ten inches deep and thoroughly pulverized. Cut the tubers to the size of a walnut or an egg, seeing that each piece has at least one good live eye on it. Make furrows four inches deep and three feet apart; in these drop the cut seed two pieces to a foot or fifteen inches. Fill in the furrow and the young plants will begin showing above the ground in three to five weeks. As soon as you can see the rows, commence cultivating to keep weeds down, and if necessary, furrow out for irrigation, which will be required at least three times for the summer crop and once or twice for the fall crop if there are no early rains. Hoe after each cultivation to kill the weeds between the plants.

Treat all seed potatoes with formaldehyde solution for scab and rhizoctonia. Spray with Bordeaux Mixture for blight. If the leaves are attacked by beetles of any kind use Paris green in the spray.

For extra early spring potatoes plant Early Rose or American Wonder from November 15th to December 15th. For medium early crop plant from January 10th on, using Triumph or Six Weeks, Early Rose and American Wonder, and for main spring crop use White Rose and Burbank, planting from March 1st to 30th. After this until the first of August small patches may be put in with varied success. August 1st to 15th, the main fall or winter crop is put in. White Rose and Burbank being mostly used. We do not recommend planting potatoes after September 1st.

Prices of Potatoes on application. State the qualities and varieties wanted.

Early White Rose. The best potato for Southern California. Does well in any soil at any season. We recommend this variety for main crop plantings.

Bliss' Turnip or 6-Weeks is the earliest potato grown here. It is round with red skin, not very prolific but excellent quality.

American Wonder. A medium early and heavy yielder when grown on good rich ground.

Burbank. Very popular as a late potato. A long white variety which does well on rich soil.



Large Cheese Pumpkin, a Very Prolific Variety

PUMPKINS

Culture. Plant five to seven seed in hills 8 to 10 feet apart each way. Pumpkins are often used as a second crop. They need considerable of moisture to insure a heavy crop so have your ground in good condition when the seed are put in. June is the best month for planting Pumpkins, but any time from April 15th to July 15th will give good results. If the soil is not naturally damp, arrange your ground so that it can be irrigated when needed. Keep the land well cultivated and the weeds out. One and a half pounds of seed will plant an acre.

Cashaw or Crookneck. Productive, color light cream. A good keeper; fine for pumpkin pie, sweet in flavor. Per pkt. 5c; oz. 10c; lb. \$1.00.

Large Cheese. Size very large, hardy and productive. Of fine grain and excellent flavor. Pkt. 5c; oz. 10c; lb. 75c.

Mammoth Tours. Its prolific propensity makes it a favorite wherever it is introduced. Do not fail to try it. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Yankee Field or Jack O'Lantern. This valuable pumpkin will be found a great boon to farmers with dairies, large or small. It is a most excellent keeper and will be sure wealth to all who know and feed it liberally. Pkt. 5c; oz. 10c; lb. 85c.

Sugar or Boston Pie. A small, handsome variety, and very popular. The skin is a deep orange yellow; flesh fine grained and sweet in taste. Famous in Boston as a pie pumpkin. Per pkt. 5c; oz. 10c; lb. \$1.00.

California Mammoth. An enormous pumpkin commonly attaining 150 lbs. each. Heavy yielders. Pkt. 5c; oz. 10c; lb. \$1.00.

RADISHES

Being a root crop, good brittle radishes require light, well-worked soil, made very rich and mellow to insure quick growth. If permitted to grow slowly they become tough and pithy. They are easy to grow and frequent plantings will insure a constant supply for the table. Use 1 oz. for 100 feet of row, 20 lbs. to acre and thin the very young plants somewhat to prevent crowding. Plant the year round in California.

California Mammoth White Winter. The well known and popular winter variety. Clear white, about 6 inches long and half stump-rooted. Keeps firm and crisp until it runs to seed. Is a good cooking variety and when cooked the flavor resembles turnip. Pkt. 5c; oz. 15c; ¼ lb. 55c; lb. \$1.75.

"Crimson Giant" or Wurzbarger Forein. This new radish is an entirely new type, and differs radically from all the varieties hitherto in cultivation. In so far as its roots attain more than double the size of those of other forcing varieties, without getting pithy or hollow. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

China Rose Winter. A delicious radish, crisp, with little tendency to become

pithy. A beautiful coloring from bright red at the top to almost pure white at the tip. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Black Spanish Winter, Long. Grows to a large size, of oblong shape; quite solid. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Round Black Spanish. Skin black, flesh white, of firm texture. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Early Long Scarlet Short Top. Roots long, pinkish color; flesh white and crisp. Pkt. 5c; oz. 15c; lb. \$1.50.

Early Scarlet Turnip (Selected Stock). The finest strain of this most popular variety, the handsomely colored roots are most attractive in appearance; they are ready in about 25 days, crisp, brittle and of choicest quality. Pkt. 5c; oz. 15c; ¼ lb. 55c; lb. \$1.75.

Scarlet Turnip, White Tip. The earliest of all radishes. Bright scarlet color with white circle just above and including the slender tap root. Very sweet and crisp. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

Improved Early Scarlet Globe. A desirable sort for hot-bed forcing and outdoors; very early, mild and crisp



Mikado Radish

juicy and tender; top small; will stand heat without becoming pithy. One of the best selling and most attractive radishes on account of its bright scarlet color and handsome shape, is ready in 28 days. Our stock of this is the very best selected with special care as to size, shape, color and earliness, and market gardeners will find it a money maker, as it is just right in every respect. Price, Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

French Breakfast. A fine early variety, olive-shaped; scarlet body with white tips. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

Japanese Mikado Radish. A fine variety for late summer planting. "The sweetest radish I ever ate." Long white and very crisp. Pkt. 5c; oz. 20c; lb. \$2.00.

Japanese Long Summer. Similar to the Mikado Radish but smaller and grows entirely in the ground with the leaves spreading but flat. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Long White Icicle. In form half-long, pure white and very crisp. Very quick in growth and of delicious flavor. Pkt. 5c; oz. 20c; lb. \$2.00.

SALSIFY-Vegetable Oyster

Culture. Sow the seed early in the Spring in drills one foot apart and one inch deep, thinning out plants to 4 inches. It succeeds best in well enriched soil. One ounce of seed for 50 feet of drill.

Mammoth Sandwich Island. A larger and superior variety, mild and deliciously flavored. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

SPINACH

Culture. Sow in drills one foot apart, and for succession, every two weeks, as it grows thin out for use, keeping clean of weeds. It grows the year round in California. One ounce of seed for 50 feet of drill. Ten pounds to the acre.

Amsterdam Giant. An excellent new variety with unusually large leaves of the Prickly type but thicker. The best we have seen in Spinach yet. Pkt. 5c; oz. 20c; ¼ lb. 75c; lb. \$2.25.

Long Standing. A good sort for the market garden, as it is much slower in going to seed than the other varieties. Pkt. 5c; oz. 20c; lb. \$2.00.

New Zealand. Perennial Spinach; can be grown the year round. Why don't you try some of this? It produces spinach summer and winter. Pkt. 5c; oz. 20c; lb. \$2.00.

Prickly Seeded. The hardiest of all and the most popular with the market gardeners. Pkt. 5c; oz. 10c; lb. 90c.

Summer Success. This variety has been tried out both in this country and in Europe, and has been found especially adapted to summer growth and particularly well suited to conditions in the southwest. The leaves are smooth with fine, deep green color. Pkt. 5c; oz. 20c; ¼ lb. 75c; lb. \$2.25.

ROSELLE

The Lemonade Plant of Queensland.

It is an annual plant that has been sufficiently tested to indicate its great food value, and to warrant more extended cultivation. The fruit resembles the scarlet podded okra and is used for making jelly and jam. It is easily grown from seed; grows rapidly and resists drought and very ornamental. Pkt. 10c; oz. 75c; ¼ lb. \$2.50.

SQUASH

Culture. Plant 5 to 7 seeds in each hill. Have the ground well worked and get the seed into the damp soil. Bush varieties have the hills 4 feet apart and running varieties hills 8 ft. apart each way. One oz. of seed to 50 hills, $1\frac{1}{2}$ to 2 lbs. to an acre. Plant seed after danger from frost is over.

Spray with Black Leaf 40 for aphids.

Boston Marrow. Bright orange color; flesh rich salmon; very sweet. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Cocozelle Bush Squash. Is one of our earliest squashes and will continue through the season, if the fruit are picked as soon as ready. The Cocozelle is a long squash of excellent flavor. It is prepared when green either as other squash or fried like egg plant. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Perfect Gem or Cream. Long-keeping, winter squash, 4 to 6 inches in diameter; apple shaped; distinctly ribbed with smooth, cream-colored skin. It is solid and rather hard, but bakes to a delicious soft consistency on the inside. Although a small variety, it is a great keeper and is used mostly in the winter. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

English Vegetable Marrow. The best of all the marrows; excellent flavor either green or ripe. When ripe it is about 10 inches long and 5 inches in diameter. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Burpee's Fordhook Squash. A very fine variety; strong growing vine and very productive. Fruits oblong in form; about 10 inches long, good for baking when mature, or cook young like summer squash. As sweet as sweet potatoes. Pkt. 5c; oz. 15c; lb. \$1.50.

Golden Bush Scallop. Similar to the above but a golden yellow color. Oz. 10c; lb. \$1.00.

Golden Hubbard. Same as common Hubbard except being of golden colored shell. Very sweet, clear of fibre and fine for baking. Pkt. 5c; oz. 10c; lb. \$1.25.

Golden Summer Crookneck. A well known popular crookneck. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

Hubbard. One of the finest varieties: fine grain, of excellent flavor and cooks dry. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

White Bush Scallop. A well known summer squash, very productive, pure white. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Mammoth White Scallop. An improved large variety of the above. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 90c.

Pikes Peak or Sibley. Is a vining squash of excellent quality. Very sweet and fine grained. A good keeper. Pkt. 5c; oz. 15c; lb. \$1.25.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

TOBACCO

Tobacco can be grown in California to good profit—as shown by experts of the American Tobacco Co. We have secured some choice seed of several varieties, especially the **Great Samsoum Cigarette Tobacco**, which has paid as high as \$1000 per acre to the grower. This tobacco sells at \$1.00 to \$3.00 per lb.—according to grade. California is said to produce even a better grade than can be produced anywhere on this continent. Seed should be sown in early spring in beds, covering very lightly and transplant to rows. Plant 18 inches in rows and rows three feet or more apart. From seed planted in April crop can be harvested in August, 1 oz. for 5000 plants.

Samsoum. Ped pkt. 10c; oz. \$1.

Connecticut Seed Leaf. Pkt. 10c.

Havana or Cuban. Per pkt. 10c; oz. \$1.



The Gardeners' Favorite Tomato—New Stone

TOMATOES

Culture. Sow in hot beds from six to eight weeks before they can be set out doors, which is when danger from frost is passed. When plants have four leaves transplant into shallow boxes, or cold frames. Transplant carefully and cultivate well as long as the vines will permit.

Red Rock (new). Same shape as the Stone, but darker color and firmer. Stands handling and shipping better than any tomato we have had experience with. Excellent for canning or slicing. Pkt. 5c; oz. 45c; $\frac{1}{4}$ lb. \$1.40; lb. \$4.50.

Livingston's Coreless. This is a distinct new globe shaped variety, and is one of Livingston's latest and best varieties of Tomatoes. It is a fine large tomato of full globe shape, some longer than round, ripening completely without any green or hard core. Pkt. 10c; oz. 45c; $\frac{1}{4}$ lb. \$1.25; lb. \$5.00.

Chalks Early Jewel. An excellent variety, starting to bear early and continuing to bear throughout the summer. The fruit is of good size, smooth, uniform and ripens all over. The fruits are bright scarlet with fine flavor and quality. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.20; lb. \$4.00.

Dwarf Champion Tomato. Vine upright, with dense foliage. Fruit pink, smooth and solid, ripening in mid-summer. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.15; lb. \$3.50.

Dwarf Stone Tomato. A dwarf sturdy plant like the Dwarf Champion in habit, but of stronger growth. The fruits are large, and resemble the original Stone. The shape is perfect, with good skin, very solid flesh and of excellent flavor. The plants are very stocky and do not spread much. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

Earliana. Has gained the reputation of being one of the best first early tomatoes. Plants are quite hardy, and fruit will set even during the cool weather. Perfectly smooth and solid with solid center. Pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.30; lb. \$4.00.

New Stone. One of the general crop varieties, and a favorite with the canners. A good all around variety; early and productive. Oz. 40c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00.

Ponderosa (Beefsteak). A very large variety, well known; of fine flavor. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 55c; lb. \$5.50.

First Early. This was developed from an early tomato found in a patch of Stones from which variety it takes most of its characteristics as to size and quality, but is very early, even ripening before Earliana. Our First Early has become very popular both around Los Angeles and in the Imperial Valley. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 50c; $\frac{1}{4}$ lb. \$1.65; lb. \$5.00.

Peach Tomato. Deep rose in color, the shape of the fruit and the appearance of the skin is very similar to that of a peach. It has a very delightful flavor. Per pkt. 15c.

JOHN BAER

A grand new tomato. Nearly globe in shape, deep bright scarlet colored. The meat is very solid, of fine texture. John Baer ripens early and is the heaviest yielder of all the early tomatoes. It is a favorite with the canners—in fact, it is an all purpose tomato of excellent qualities.

Originators Special Stock Seed—
Pg. 10c; oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

California Grown John Baer Tomato—
Pkg. 10c; oz. 50c; lb. \$5.00.

TURNIPS

Culture. Plant for succession from September to April in drills 14 inches apart and thin out plants to six inches. Turnips thrive best in a highly enriched sandy or light loamy soil. One ounce to 150 feet of drill; 4 lbs. to acre.

Early Purple Top Strap-Leaf. The most popular variety in this section for either family or market use. Large size, white, purple above ground; flesh, fine grain. Pkt. 5c; oz. 20c; ¼ lb. 55c; ½ lb. \$1.75.

Early White Flat Dutch. An early white flesh, strap-leaved variety for quick growth; mild flavor and excellent quality, with firm sweet flesh. Pkt. 5c; oz. 20c; ¼ lb. 55c; ½ lb. \$1.75.

Golden Ball or Orange Jelly. Rapid grower, of excellent flavor. Bright yellow color. Plant during cooler months only. Pkt. 5c; oz. 20c; ¼ lb. 65c; ½ lb. \$2.00.

Purple Top White Globe. Very solid and sweet. The best variety for summer plantings, having large leaves and is very slow to get pithy. Recommended for planting during May, June, July and August. Pkt. 5c; oz. 25c; ¼ lb. 75c; ½ lb. \$2.50.

Snowball. The most popular turnip on the market. It has the best shipping qualities, firmness and good appearance as well as being of excellent flavor and texture. Pkt. 5c; oz. 20c; ¼ lb. 60c; ½ lb. \$2.00.

Improved Purple Top Ruta Baga. The best of the Swede turnips; very hardy and productive; flesh yellow. Oz. 20c; ¼ lb. 75c; ½ lb. \$2.25.



Turnip—Purple Top White Globe

PLANT DISEASES

Tomato Blight and Melon Blight. For blight and rot, spray early and at intervals with Bordeaux Mixture. Quart can 50c.

Potato Scab. This wide spread disease affecting potatoes is due to the attack of a parasitic fungus, which causes the skin to become rough and scabby. This disease may be successfully combated by treating the planting stock with formaldehyde; 8 fluid ounces (1 pint) of this antiseptic is to be used in 40 gallons of water, which is sufficient to treat about 1000 lbs. of potatoes. The potatoes should be cleaned from dirt, washed if necessary, then soak potatoes for 1½ hours in this diluted solution, after which they should be dried out and planted in the usual way, care being taken that treated potatoes are not put in contaminated sacks or other receptacles. Formaldehyde, 50c pint. Sent by express only.

HERBS

Herb Seeds. (Sweet, Pot and Medicinal). A few herbs should be grown in every garden, only a small space being necessary to grow sufficient for family use. Sow the seed in the spring, and harvest on a dry day just as plants come into full bloom. Tie them up in small bunches and when thoroughly dried wrap up in paper and place in an air-tight vessel, where they will keep until required. Each, per pkt. 5c.

Anise, has useful medicinal properties.

Basil, Sweet, used for highly seasoned dishes.

Borage, should be grown by every bee-keeper.

Caraway, largely used for flavoring.

Dandelion, for medicinal purposes.

Dill, used to flavor Pickles, etc.

Fennel, very aromatic and fine for flavoring.

Horehound, fine tonic properties, valuable for cough remedies.

Hyssop, valuable for medicinal purposes; the dried flowers make Hyssop tea.

Lavender, highly esteemed aromatic herb, with a delightful fragrance.

Marjoram, Sweet, one of the most largely used herbs for seasoning.

Pennyroyal, well known and popular.

Peppermint

Rosemary, an aromatic herb, sweet scented.

Savory, Summer, excellent for seasoning.

Savory, Winter, excellent for seasoning; for winter use.

Sage, the leaves and tender tops are largely used in stuffing and in sauces.

Sorrel, large leaves used like spinach. Pkt. 5c; oz. 15c; ¼ lb. 40c.

Thyme, for seasoning; the most popular of all herbs.

Wormwood, of great value for its medicinal properties.

Plants of Herbs—We can supply plants of many varieties of Herbs. See special list under Plants in back of Catalogue.

HORSE RADISH

Add 3c per doz. for postage.

Good Horse Radish. Horse Radish is always in good demand and pays well. However, you must have the proper conditions, namely, a medium heavy soil and plenty of water. Sold only in roots. Doz. 15c; 100 roots, \$1; large quantities on application.

Maliner Kren Horse Radish. This new variety of Horse Radish was first discovered by the United States Agricultural explorer, Mr. David Fairchild, in Bohemia about ten years ago and sent to be tested in the soils of the United States. These were planted the following season and from them some of the finest specimens of Horse Radish were produced that were ever seen in the United States. It requires about 10,000 to plant an acre, it sells readily in any market at from 5 to 10 cents per pound to the pickling houses at about \$100 per ton. Doz. roots 25c. Per 100 roots, \$1.50.

Nitrogen Bacteria

ENRICH YOUR FARM

Grow inoculated legume crops which make available plant food of greater value than they remove. Inoculated clovers, alfalfa, vetch, peas, cow peas, soy beans and other legume crops enrich the soil with nitrogen and organic matter—the two most necessary elements required to grow good crops. By growing these inoculated crops, sufficient nitrogen is placed in the soil for all crops.

Legume Cover Crops

Corn, cotton, potatoes, orchards and all cultivated crops are very hard on soils, but if some inoculated legume crops, such as crimson clover, or a mixture of winter vetch and rye or oats are sowed between the rows at last cultivation and turned under for green manure, quantities of plant food are made available and soil fertility is maintained and often increased.

To secure the best yields and full fertilizer value always inoculate alfalfa, clovers, peas, beans, vetch, soy beans, cow peas, peanuts and all other legumes.

"The peculiar value of legumes for maintaining and increasing the fertility of soils is due to certain bacteria which develop nodules upon the roots of leguminous plants and which have the unique power of rendering the free nitrogen of the atmosphere available for plant growth. Without these bacteria, legumes, like other crops, exhaust the soil of its combined nitrogen."—Ext. Farmer's Bulletin No. 315.

Inoculate all legumes just before planting, and we recommend the

FARMOGERM

Garden size 50c; acre size \$2.00; 5 acre size \$7.50.

No. 1—Clovers.
No. 2—Alfalfa and Melilotus Clover.
No. 3—Vetch and Canadian Peas.
No. 4—Soy Beans and Cow Peas.
No. 5—Garden Peas, Beans, Sweet Peas.

MARKET GARDENERS

Your requirements, in the way of seeds, are somewhat different from those of the amateur or home gardener, who is growing for his own use and not for the market. Knowing this, we have made, for the past nine years, a special study of the local market conditions and feel that we are especially well equipped to supply you with Pedigreed Seeds that will produce the results that you desire. No trouble or expense is spared to keep our stock right and our constantly increasing market garden trade is a good indication that we have been successful in this endeavor. Our experience is at your service and we shall always be glad to give you the benefit of it. If you are using seeds in large quantities, let us have a list of your needs and we will quote special market gardeners prices.

GARDENING FOR PROFIT AND PLEASURE

As years go by the love of gardening always grows. The desire to grow for profit is most in the minds of those that have to make their living that way and to them gardening is commercial. But apart from this there is a desire and great pleasure in cultivating plants and especially growing them from seed, seeing their many changes and learning of the best varieties. And perhaps most pleasure is derived by "Intensified Gardening" or "by making two blades of grass grow where only one grew"—to create some thing beautiful, to intensify Nature.

VEGETABLE PLANTS

For List of Vegetable Plants see Plants in back of Catalogue.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

Suggestions --- To Assist in Selecting Varieties for Special Purposes

Flowering Garden Annuals

And other plants that attain perfection and flower the 1st season from seed.

Sorts marked * are best for beds and massing.

Abronia
African Daisy*
Ageratum*
Alyssum, Sweet*
Antirrhinum*
Arctotis
Arnebia
Asters*
Balsam
Bartonia
Begonia, Fibrous
Brachycome
Browallia
Calendula*
Calliopsis*
Canna
Candytuft*
Carnation, Marguerite
Celosia*
Centaurea (An'l)
Chrysanthemums* (Annual Var.)
Clarkia
Cleome
Convolvulus Minor
Cosmos
Dahlia
Datura
Dianthus*
Eschscholtzia*
Gaillardia
Geranium
Glaucium
Globe Amaranth
Godetia
Gypsophila
Hibiscus Africanus
Hollyhock* (Annual)
Ice Plant
Kochia

Larkspur
Lavatera
Linum
Lobelia*
Lupinus
Lycchnis Haageana
Marigold*
Marvel of Peru
Matricaria
Mathiola
Mignonette
Mimulus
Myosotis*
Nasturtium*
Nemesia
Nicotiana*
Nigella
Oenothera
Pansies*
Pennisetum
Pentstemon
Petunia*
Phlox D.*
Poppy*
Portulaca*
Rudbeckia
Rhinus
Rudbeckia
Salpiglossis
Salvia*
Scabiosa
Schizanthus
Stocks*
Sunflower
Sweet Peas
Sweet Sultan
Verbena*
Vinca Rosea
Virginia Stock
Wallflower (Annual)
Zea
Zinnia*

Ornamental Foliage Plants

Grown From Seed

A. Annuals; P., Hardy Perennial.

Amaranthus, A.
Canna, H.P.
Centaurea candida
P.
Cineraria Marit, P.
Coleus, P.
Euphorbia Var, A.
Kochia, A.

Marvel of Peru, P.
Musa, P.
Perilla, A.
Pyrethrum Aure, P.
Ricinus, P.
Zea, A.
Santalina, P.

Everlastings

For Winter Bouquets

Acroclinium
Globe Amaranth
Gomphrena
Gypsophila Paniculata

Helichrysum
Honesty
Ornamental Grasses
Rhodanthé

Edgings Plants, from Seed

For Bordering Walks and Beds

All are Annual excepting H. P. are Hardy Perennial.

Ageratum
Alyssum, Sweet
" H. Sorts, H.P.
Asters, Miniature
Begonia, Vernon
Bellis, H.P.
Candytuft, Dwarfs
Cosmos, Dwarf Yl.
Globe Amaranth, Nana Compacta
Lobelia Comp. Vars.
Marigold, Brownie
Marigold, Liliput

Myosotis, H.P.
Nasturtium, Liliput
Nigella, Tom Thumb
Pennisetum
Petunia Comp.
Pyrethrum Aureum
Sw. William, H.P.
Sweet Pea, Cupids
Zinnia, Liliput

Plants from Seed

Succeeding in Partial Shade

Anemones
Antirrhinum
Aquilegia
Auricula
Begonia, Tuberous
Bellis
Canterbury Bells
Coreopsis (Hardy)
Cowslip
Delphinium
Digitalis
Ferns
Hardy Primrose

Linum
Matricaria
Mimulus
Myosotis
Oenothera
Pansy
Primules
Polyanthus
Poppies (Hardy)
Schizanthus
Torenia
Viola

Climbing Vines, from Seed

See Special Lists Under Climbing Plants

Plants Suitable for Pots or Window Boxes

That May Be Grown from Seeds

Acacia
Ageratum
Asparagus Spreng
Asters, Dwarf
Sorts
Auricula
Begonias
Browallia
Calceolaria
Carnation
Chrysanthemums
" Paris Daisies
Cineraria
Coleus
Cyclamen
Dracaena
Ferns
Fuchsia
Gerbera
Geranium
Gloxinia
Grevillea

Heliotrope
Impatiens
Lantana
Mignonette
Mimosa
Mimulus
Musa
Myosotis
Nasturtium
Liliput
Nemesia
Pelargonium
Petunia
Polyanthus
Primroses
Rehmannia
Rhodanthé
Schizanthus
Smilax
Stevia
Stocks
Swainsonia
Torenia

Fragrant Flowers from Seed

Those marked H. P. are Hardy Perennials.

Abronia
Alyssum
Asperula, H.P.
Auricula
Carnations
Clematis, H.P.
" Panic., H.P.
Cleome
Cyclamen
Dianthus (Hardy)
Geranium
Heliotrope
Lavender, H.P.
Mathiola

Mignonette
Mimulus
Nicotiana Affinis
Pinks, H.P.
Polyanthus
Scabiosa
Stock
Sweet Pea
Sw. Rocket, H.P.
Sweet Sultan
Sw. William, H.P.
Verbena, Lemon
Violet, H.P.
Wallflower, H.P.

Plants for Vases

Hanging Baskets, Veranda Boxes, Etc.

DROOPING
Alyssum
Asparagus Sprengeri
Calendula
Convolvulus
Candytuft
Kenilworth Ivy
Mauritienicus
Lobelia Gracilis
Maurandia
Nasturtium (Trailing)
Oxalis
Petunia
Smilax
Torenia

Tropaeolum
Vittadinia
Verbena Erenoides
UPRIGHT
Begonia
Browallia
Centaurea (White-leaved)
Coleus
Fern
Fuchsia
Geranium
Heliotrope
Impatiens
Pansy
Viola
Vinca Rosea

Long-stemmed Flowers

Notably Suitable for Cutting

Aquilegia
Asters
Calliopsis
Candytuft
Carnations
Centaurea Cyanus

Chrysanthemums, Maximum, Japanese and French
Coreopsis
Cosmos

Dahlias
Delphinium (Hardy)
Dianthus (Hardy sorts)
Gaillardias
Gerbera
Gladiolus
Gypsophila
Larkspur (Branching)
Lobelia

Marigolds
Matricaria
Mignonette
Pentstemon
Poppies
Salpiglossis
Scabiosa
Stocks
Sunflowers
Sweet Peas
Sweet Sultans
Zinnias

Hardy Perennials

For Permanent Beds, Borders or Masses
Many Flowering the First Season

Alyssum
Anemone
Anchusa
Antirrhinum
Aconitum
Adonis
Aquilegia
Arabis
Armeria
Ageratum
Agrostis
Begonias
Bellis (Daisy)
Bocconia
Browallia
Broom (Genista)
Bignonia
Campanula
Canna
Cassia
Centaurea Candi-
dissima
Ceanothus
Chrysanthemum
Clematis
Coreopsis
Cyclamen
Cytissus
Dahlia
Delphinium
Dianthus (Pinks)
Digitalis (Fox-glove)
Dracaena
Echium
Eremurus
Euphorbia
Eupatorium
Eulalia
Festuca
Ficus (Rubber)
Forget-me-not
Foxglove
Flax
Freesia
Gaillardias
Genista
Gazania
Gerbera
Geum
Gladiolus
Glechoma
Glaucium
Golden Feather
Gunnera
Gypsophila Pan
Honeysuckle
Heliotrope
Heuchera
Hibiscus
Hollyhocks

Hunnemania
Hypericum
Impatiens
Lantana
Lavatera
Leptosyne
Linaria
Linum Flax
Lobelia
Lupins
Mimulus
Musa
Myosotis
Musk
Panicum
Pansy
Pennisetum
Poppy
Pentstemon
Papaver, Oriental
Petunia
Phlox
Pittosporum
Platycodon
Poinsettia
Polygala
Primula
Pyrethrum
Rehmannia
Rheum
Ricinus
Romneya
Rudbeckia
Salvia splendens
Santolina
Scabiosa
Snapdragon
Solanum
Solidago, Golden Rod
Spergula
Statice
Stevia
Stocks
Stokesia
Swainsonia
Sweet Alyssum
Spartium (Broom)
Spiraea
Torenia
Trollium
Thorn
Verbena
Veronica
Vinca
Viola
Vittadinia
Wahlenbergia
Wallflower
Wigandia

Hedge Plants

Easily Grown from Seed

Acacia (Cuerne de Vaca)
Acacia, Armata
Atriplex
Box Wood
Cypress, Cryptomeria
Cassia Artemesioides

Eugenia-Aust
Lycium
Laurus Tinus
Ligustrum (Privet)
Lavatera Assurgens
gentiflora
Genista
Pittosporum

See index to pages where the description can be found.

SUCCESS WITH FLOWER SEEDS

We are convinced that most of the failures with flower seed are due to the lack of proper conditions; and while it would be impossible in this short space to give explicit directions for each and every variety, there are certain rules that must be observed. While some of the more tender varieties require special care, many of the hardy varieties will grow under most any conditions if seed are not planted too deeply, and the ground kept moist. As general directions, we will divide them into **HARDY** and **TENDER** species and apply the general rules governing each.

Hardy Kinds as a rule, are sown in open beds or boxes of well worked soil (sandy loam preferred) and if soil is stiff clay or adobe, it is necessary to have a "sand or mulch" covering, and seed should be covered very lightly. A good rule is to smooth the bed down with a board, and then on this smooth surface scatter the seed, then if seed is coarse take a small board or brick and press the seed down even with the surface of the soil, and then carefully sift fine, sandy mulch soil over the

seed from one-eighth to one-half inch deep, according to the coarseness of the particular seed. Such as Delphinium, Stocks, Asters, etc., one-eighth inch, but Nasturtiums will stand covering of one inch. This bed must be kept moist to the surface, never allowed to dry, but should not be "soaked" too much, and one should avoid watering too late in the evening, rather postpone till morning, as the chilly night may cause trouble if bed is too wet. For ordinary kinds as Sweet Alyssum, Calliopsis, Calendula, Marigold, Mignonette, Centaurea, Poppies, Snapdragons, Annual Larkspurs, Zinnias, Candytuft, etc., are generally planted where they are to grow, but good success will be had to transplant the above, except the Poppy, which succeeds best when sown broadcast (very thinly) over surface and gently raked in, and thinned out to 6 to 12 inches when about 2 or 3 inches high. Centaureas are best drilled in rows where they are to grow. Sweet Peas should be planted in drills and do not succeed if transplanted.

Tender Kinds. Such as Lobelias, As-

ters, Stocks, Pansy, Petunia, (Fancy kinds), Pinks, Phlox, Verbenas and all such varieties which, while hardy in Southern California, after once established, are slow to start, should be planted in well prepared beds and treated as the hardy kinds in respect to depth of planting, but in addition a shading should be added and this is quite essential. If lath frames are not available, use burlap frames and support these frames on stakes 4 to 12 inches from soil, or a good plan is to cut some branches with leaves on and lay over bed. This is quite as good as any other protection, but care should be taken not to have covering too dense. Best time to water all seed beds is in the morning, before the sun gets too high.

Mulching. For seed beds. To insure the best results from your seed, a good prepared mulch of well rotted manure or leaf mold is almost necessary, if soil is stiff and heavy. This mulch is carefully sifted over the seed beds after seed is sown and helps to retain the moisture and keep surface from "baking."

CULTURE AND LIST OF ASTERS

THE ASTER

There is at present a lamentable lack of literature on this subject, but the Aster has leaped into such prominence, both for its beauty and commercial value, that information is constantly sought, and for many years we have given this our utmost attention and care and are anxious that all information for its culture and improvement be disseminated.

We attach a few essential directions for their culture.

The Aster will do well in any ordinary soil from a light sand to a heavy clay. The ideal soil is a strong loam, well supplied with organic matter and plant food. If the soil is not already rich enough, good commercial fertilizers can be used safely. A high grade complete fertilizer is most suitable.

Disbudding. To secure extra long stems and large flowers, we recommend disbudding as the method used in Chrysanthemums, or in short, pinch out the center bud as plants begin to branch, allow about six of the side branches to grow and keep the lateral buds removed from other branches, and

give entire strength to a half dozen flowers.

Sowing the Seed. Sow in seed boxes or beds in light sandy soil, covering very lightly, not over one-eighth inch deep and shade with lath frame or cloth for two or three weeks and keep constantly moist but do not water late in the day. (See directions "Success With Flowers.")

Transplanting. When the plants have made 4 to 6 leaves they should be pricked off into boxes or beds, 2 inches apart and when good and strong can be bedded out where they are to bloom.

Varieties. Nothing is gained by trying to force the late varieties. If early flowers are desired, used the Dwarf Early Flowering varieties and in this way the season of blooming can be prolonged from June 1st to November 1st. Using early varieties for early flowers and Giant Comet and Branching class for late, planted at intervals from January 1st to May 20th, it taking 4 to 6 months for the late flowering varieties to bloom from seed. Some florists grow two crops yearly, planting in August for late Winter flowers.

Exhibition Flowers. In order to give the finest flowers, the plants must have abundant plant food and moisture. Pulverized sheep manure is unsurpassed, also nitrate of soda is a powerful stimulant but must be used with great care. One pound of the latter to the square rod, broadcast, is enough for one application and repeated at intervals of ten days gives fine results.

Aster Beetle. This beetle has caused some trouble and frequent dustings of fine ground tobacco is necessary to save the flowers and plants, also the Root Louse causes much trouble and a mulch of tobacco dust will destroy the louse.

NOVELTIES IN ASTERS

OUR NEW ASTER

American Beauty (American Branching Type). We believe this to be the grandest aster of Red color ever introduced—being very large and perfectly double (never showing the eye), an improvement on our Carmine Pink from which it originated. A little lighter in color than American Beauty Rose and the most remarkable bloomer ever introduced. Coming in flower in July from seeding in early Spring and lasting till November. The photo herewith was taken on November 1st, and flowers were cut from plants that were in full bloom in July. We have absolutely

control of this variety on the coast and its sale is also limited to one Eastern house—very Limited Supply Pkg. 25c, ¼ oz. \$1.00.

Aster—New Carmine Pink. A great improvement on the old Am. Branching Rose pink, being much larger and of a clearer color. No shade of the Magenta, but a clear bright pink, of strong upright branching habit. Very large flowers. American Giant Branching type. Pkt. 15c, 2 for 25c; ¼ oz. 35c.

Asters—Giant Comet "Shell Pink." (New). A new greatly improved Comet of a beautiful clear shell pink. Very double and covering the eye perfectly. Very similar to Crego Pink, but larger, more double and better color, no tendency to fading, a very robust grower and bloomer, flowers average 6 inches and over when well grown. Oz. \$1.50; ¼ oz. 60c; ½ oz. 25c; pkt. 10c.

Asters—New Upright Branching. We consider this class one of the best for cut flowers, having the branching habit, but of strong upright growth, making very long stems, each crowned with one to three fine large flowers of Giant Branching type, which are very double and full to the center. Very easily disbudded. Highly recommended as a commercial florist's flower. In the following colors Each: Pkt. 10c; ¼ oz. 20c; ½ oz. 35c. oz. \$1.25.

Upright Branching. White.
Upright Branching. Light Pink.
Upright Branching. Crimson.
Upright Branching. Lavender.
Upright Branching. Purple.

MORRIS & SNOW'S NEW KING ASTERS

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of any other class. The plants are large and the stems exceptionally long and strong.

Asters Violet King. Pkt. 10c; ¼ oz. 75c
Asters Rose King. Pkt. 10c; ¼ oz. 40c
Asters Pink King. Pkt. 10c; ¼ oz. 40c
Aster Lavender King. Pkt. 10c; ¼ oz. 40c.

Asters White King. Pkt. 15c; ¼ oz. 50c.
Asters King's Mixture. Pkt. 10c; ¼ oz. 40c.



Aster—Giant Comet Type



New Aster—Elk's Purple—Amerlean Branching Type



New Giant Aster—(King Type)

Vick's Royal Purple. A new strain of Vick's Late Branching Aster, growing about 15 inches high, of erect, upright growth. A medium early bloomer, continuing a long time. Flowers large and full to the center, petals fine and somewhat incurved. Pkt. 15c, 2 for 25c, $\frac{1}{4}$ oz. 40c.

CREGO ASTERS

We might term this class as the Japanese Chrysanthemum Aster, from its appearance. The flowers are very large recurved, curled and twisted, making it an especial artistic variety.

Aster Crego White. Pkt. 10c; $\frac{1}{4}$ oz. 40c.
Aster Crego Pink. Pkt. 10c; $\frac{1}{4}$ oz. 40c.
Aster Crego Lavender. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

VICTORIA ASTERS

This is an old class, but the varieties we offer here are all new strains, and highly improved, very double, and are among the earliest blooming class, of an upright growth, and colors are of the clearest shades, highly recommended for bedding. They stand bad weather better than the branching varieties. Each 10c pkt., 3 for 25c; $\frac{1}{4}$ oz. 35c; oz. \$1.00.

Victoria Asters. Clear Rose.
Victoria Asters. Daybreak Pink.
Victoria Asters. Lavender.
Victoria Asters. White.
Victoria Asters. Bright Crimson.
Victoria Asters. Mixed.

GENERAL ASSORTMENT OF ASTERS

NEW ASTERS—ASTERMUMS—COMETS

This class is merely a renaming of the well known Comet Type, and we find by tests correspond to them exactly, and we list all the desirable shades as Comets, and all are well worth growing.

Asters—Rochester. Pink. (Comet type), a very large pink with a lavender shading—very fine for cuttings. Pkt. 10c.

Asters—Pink Enchantress. Of Giant Branching type, extremely beautiful pink; large flowers; and one of the finest asters grown. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Asters—Ostrich Feather Mixed. This is a curled class and very desirable for bedding and cutting. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

Asters—Tall Crown Mixed. This is a beautiful class of asters for bedding and cutting. The two colored flowers are very attractive. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

Asters—Paeony. Perfection. The improved new strain of Paeony aster are of compact growth. Each plant

making a beautiful bouquet. Medium early and a fine class for home use, being the best for bedding use.

Asters—Paeony Perfection Blood Red. This is to our notion the grandest bedder in existence, growing about 16 to 18 inches of upright bouquet form, and color is most charming. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Asters—Paeony Perfection Rose. Same as above except in color. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

GIANT COMET ASTERS

A superb class, differing from others in its long, wavy, twisted florets, which are formed into a head three and one-half to four and one-half inches across. One of the most perfect of Asters, and should be included in every collection.

Asters—Giant Comet. White, Pkt. 10c.
Asters—Giant Comet. Crimson, pkt. 10c.
Asters—Giant Comet. Rose, pkt. 10c.
Asters—Giant Comet. Pink, pkt. 10c.
Asters—Giant Comet. Elk's purple, pkt. 10c.
Asters—Giant Comet. Lavender, pkt. 10c.

Asters—Giant Comet. Mixed, pkt. 10c.
Asters—Giant Comet. Any 3 colors separate, 25c or all 6 for 40c.

Any of the above $\frac{1}{4}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Giant American Branching. This type or class of Asters has become the most popular of all classes of asters for late cutting, but is the latest of all to bloom. The flowers are of very large size, borne on long stems. We can furnish in all the separate colors as follows—at 10c per pkt.; $\frac{1}{4}$ oz. 40c.

Asters—Giant Branching. White.
Asters—Giant Branching. Crimson.
Asters—Giant Branching. Violet.
Asters—Giant Branching. Shell Pink.
Asters—Giant Branching. Elk's purple.
Asters—Giant Branching. Blue.
Asters—Giant Branching. Mixed.
 Any 3 pkts. 25c; 7 for 50c.

Crown or Cocardeau. Mixed 10c.



Our New Aster, "American Beauty"

GENERAL LIST OF FLOWER SEEDS

ANNUALS attain full growth from seed, flower and die in one year.

BIENNIALS grow from seed one year, bloom and die the next, though some varieties bloom the first season when sown early.

PERENNIALS last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early.

All 5c packets at 50c per dozen.
All 10c packets at \$1.00 per dozen.
All 15c packets at \$1.50 per dozen.
All 25c packets at \$2.50 per dozen.

Abronia Umbellata. Delicate rose, the "sand" verbena, beautiful native trailer. Pkt. 5c.

Acerollnum. Everlasting Flowers. Each 5c.
Rose, double white, rose and white, mixed.

Adonis. (Flos.) Crimson and black eye. "The Pheasant's Eye" a beautiful showy free flowering plant. Pkt. 5c.

Achillea. (Milfoil). Perennials, usually blooming first year from seed. Fine plants for cutting. Plant seed in bed and transplant. (Pkt. 10c.

Achilles (The Pearl). Extra double white flowers. Very fine for florists use. Pkt. 10c.

African Orange Daisy (Dimorphotheca). A charming bedding or border color (1 to 1½ ft.) of Golden Orange color, perfectly hardy for winter or summer, blooming in three months from seed. Pkt. 10c.

African Orange Daisy, Hybrids. Coming in all colors of yellow and white, very effective for borders. Pkt. 10c.

Agrostemma Coronaria (Mullein Pink). Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August. Pkt. 5c.

Acanthus. (Bear's Breech). Stately ornamental perennial plants, remarkable for beautiful large foliage, good for background in mixed borders and the wild garden. Sow seed in bed or box and transplant.

Aconitum (Monk's Hood). Beautiful perennials, flowering easily from seed. In clump resembling the Delphinium and are mostly of blue shades. When left for years make large clumps. Will stand in almost complete shade. Roots are poisonous.

Aconitum Napellus. Blue. Pkt. 10c.
Aconitum Uncinatum. Fine blue. Pkt. 10c.

Mixed species. Pkt. 10c.

Adenophora. Perennials, with numerous blue bell-shaped flowers of drooping habit, similar to Canterbury bells, to which they are closely related, and should be grown in same way—open, sunny position.

Adenophora Potanini. Blue. Pkt. 10c.

Agathaea Spathulata. A blue perennial Daisy, very satisfactory border or bedding plant, blooms throughout the year, especially good for winter flowers. Pkt. 5c.

Aloisaa. A very attractive class for bedding, usually treated as annuals, but mostly prove perennial here. All colors mixed. Pkt. 5c.

Alyssum Procumbens. A new very dwarf variety, fine for edging or borders, and claimed to be far finer than any yet introduced for this purpose. Pkt. 10c; oz. 50c.

Tom Thumb or Little Gem Sweet Alyssum. ¼ ft. Oz. 30c; pkt. 5c.

Alyssum Benthalmi. Sweet Alyssum. Pkt. 5c.

Alyssum Saxatile. Yellow. A fine perennial border plant. Pkt. 10c.

Alyssum (Lavender Queen). Same habit of growth as the old white variety, but has a very pleasing tint of Rose Lavender flowers. Pkt. 10c, oz. 40c.

Ambrosia Mexicana. Sweet scented 5c.

Ammobium Alatum Grandiflora. White everlasting flower, 5c.

Anagallis Grandiflora. Fine mixed showy and rich, 5c.

Arctotis Grandis. Pure white, lilac on the outside, 5c.

Achusa Capensis. Deep sky blue Cape Forget-Me-Not, a very fine annual. Pkt. 10c.

Achusa Italica (Dropmore). Giant "Forget-me-not." A tall growing plant with large leaves and bright blue flowers; very showy and fine for cutting; Perennial flowering first year if planted early. Pkt. 10c.

Amaranthus. Tricolor. (Joseph's Coat). A very attractive and showy bedding plant, with variegated foliage (3 to 4 ft.) Pkg. 5c, ¼ oz. 15c.

Amaranthus Melancholicus Ruber. A blood red foliage variety, extremely showy for bedding, grows 2 to 3 ft. or can be trimmed and kept dwarf. Pkt. 5c, ¼ oz. 15c.

Amaranthus Salicifolius (Fountain Plant). Extremely showy, variegated with purple, gold and crimson (3 ft.) a bed planted with these bordered with dwarf. Dusty Miller makes a wonderful sight. Pkt. 5c, ¼ oz. 15c.

AQUILEGIA—COLUMBINES

A most desirable border plant in its many varieties. It forms large clumps blooms early, long and abundantly, is quite hardy, useful for cutting and elegant in habit. Sow the seed in the open ground or in beds at any time of the year and thin to about one foot apart. When planted in the fall they will bloom the next spring and summer. They thrive well with ordinary garden culture, but such rare sorts as *A. Coerulea* and *A. Chrysantha* do best in a partially shaded corner. Very few of the hardy perennials are so easily grown from seed. Best if transplanted.



SWEET ALYSSUM

The Alyssums have become one of the popular border plants thriving anywhere. The dwarf variety being excellent for edging, bordering beds, or even for sowing in masses, in manner of carpet bedding. The taller sort is fine for sowing in shrubbery. It does not require transplanting.

The old-fashioned Sweet Alyssum has been too long a favorite to need any introduction here. This new variety emits the same honey-like perfume, is of purer white, and grows only 2 to 3 inches high and flowers even more profusely; in fact, it is a perfect carpet of snow throughout the season. We have counted as many as 300 heads of pure white flowers open on one plant at one time.

American Hybrid Columbines. This new race represents the highest perfection yet attained in the development of this favorite flower. The plants are extremely robust with large, handsome foliage the flower stems often 40 inches in height, carry magnificent clusters of immense long spurred, single flowers which last a long time in bloom. The colors are superb and varied—including rich shades as well as many new and delicate tints; pure white, blue and white, pure yellow, pink with yellow corolla, red with orange corolla, cerise, purple, rose and white, salmon, lavender, mauve, etc.

American Hybrid Columbines, Mixed Colors. Pkt. 10c.

Aquilegia. Single, Large-Flowering, Mixed Colors. 10c.

Double-Flowering, Hybrids. Beautiful large, double flowers, formed of several rows of cornucopia-like petals and of various shades of yellow, lavender, blue, indigo, and white. Pkt. 10c.

Rose Queen. New, long-spurred Columbine, bears profusely, long-spurred, single flowers shading from light pink to dark rose color, with white center and yellow anthers. Pkt. 15c.

Alpina. Blue. Pkt. 10c.

Alpina Atrocoerulea. Purple blue, fine Pkt. 10c.

Alpina Superba. Blue and white. Pkt. 10c.

California Hybrida. Large yellow flowers. Pkt. 10c.

Chrysantha. Golden yellow, long spurs Pkt. 10c.

Coerulea. Rocky Mountain Columbine. One of the finest of our native American flowers. Sepals deep blue, petals white; about 3 feet. Pkt. 10c.

Coerulea Lutea. Light yellow, splendid. Pkt. 10c.

Skinneri (Mexican Columbine). Very handsome and quite distinct; spurs and sepals long, crimson and light green, about 3 feet. Pkt. 10c.

Sibirica. Blue. Pkt. 10c.

Sibirica Rubra, Double Red. Pkt. 10c.

Collection of Aquilegia, including 12

choice varieties named at 50c.

Artemisia Stelleriana (Dusty Miller) (sometimes confused with *Senecio Cineraria*). A very attractive plant for borders, with silver gray foliage. Pkt. 10c.

Arnebia Cornuta (Arabian Primrose). Innumerable golden yellow flowers with brown spots. Very attractive annual, easily grown. Pkt. 10c.

ANDROPOGON ARGENTEUM

A hardy grass for border or bed; excellent for cutting and mixing in bouquets; grows 2 feet. Pkt. 10c.

Asperula Odorata (Sweet Woodruff). An old fashioned favorite, grown for its fragrant leaves, which have an odor not unlike new mown hay, and used for putting among clothes, etc. Best grown in semi-shade positions, flowers white. ¼ oz. 25c; pkt. 10c.

A. Hexaphylla. A pretty little plant similar to *Gypsophila* and grows same way and used for mixing with carnations or sweet peas. Pkt. 10c.

Asparagus Plumosa (Asparagus Fern). A very satisfactory plant for pot culture, or growing for decorating. Pkt. 10c.

Asparagus Sprengeri. The best and most hardy hanging basket we have, also useful for bedding under shade. Pkt. 10c.

Armeria Maritima (Thrill). Fine for borders. This is a fine little plant for edging; always in blossom and very hardy. Pkt. 5c.

ANTIRRHINUM, Giant Flowering Snap Dragons

These form brilliant garden beds, flowering prodigiously and continuously the first season from seed. Unusually effective bedding displays are made from these noble plants, they grow about 2 feet high, are healthy and stocky, and completely enveloped with large snap-dragon flowers of splendid texture and substance, rendering them very durable under all conditions of weather; their continuous blooming qualities, ease of culture and independence of heat and drought, and pure, brightest colors, should entitle them to a permanent place in gardens. Although perennials, they bloom in 4 to 5 months from seeding. The flowers are nearly double the size of the older sorts.

Antirrhinum—New Soft Shell Pink. Medium height, very large flower, spike of delicate soft clear pink; a grand variety for cutting. Pkt. 15c; ¼ oz. 35c.

Giant-Flowering. Mixed Colors. Pkt. 10c.

Giant Yellow Queen. Pure yellow. Pkt. 10c.

Giant Scarlet. Brightest scarlet. Pkt. 10c.

Giant Papilionacea. (Butterfly Snap dragon). Garnet with white throat. Pkt. 10c. ¼ oz. 20c.

Giant Rose. Delicate rosy-pink. Pkt. 10c.

Giant Striped. Yellow, striped red. Pkt. 10c.

Giant White. Pure snow-white. Pkt. 10c.

The collection of above six separate colors, 50c.

Antirrhinum Snapdragon, Semi-Dwarf. Large flowering. A beautiful class very extensively grown in the east and Europe for bedding, these varieties produce as large flowers as the tall class, while the plants are of compact, bushy growth, about 1 foot high and are completely enveloped in flowers throughout the year, any of the following colors separate, 10c per pkt.; 3 for 25c.

White, yellow, coral rose, blotched and striped, scarlet, all colors mixed.

ANEMONE—"WINDFLOWER"

These beautiful Irish Poppy-flowered varieties produce in abundance large single, semi-double and double flowers, three to five inches across, of an endless

**Anemones****Dwarf Snapdragon Golden Rose**

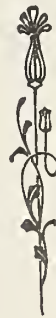
variety of colors, from maroon and bright scarlet to flesh pink, and from lilac to purple; some are mottled, striped, ringed, etc. For cutting they are unsurpassed. They are hardy perennials, flowering from seed in about 4 months. Seedlings produce quite as fine flowers as imported bulbs, and have the appearance of large poppies, and they last for many days, far better in this respect to the poppy. Same culture as for Aquilegia, which see—

Anemone de Caen. A fancy strain of single varieties. Finest mixed. Pkt. 10c.

Anemone "St. Brigid." Beautiful large, single, semi-double and double poppy-flowered varieties, 3 to 5 inches across, of an excellent variety of colors, from maroon and brightest scarlet to flesh-pink, and from lilac to purple; some are mottled, striped, ringed, etc. Finest Mixed. Pkt. 10c.

Anemone—Japonica. The tall perennial growing anemone. A hardy variety growing about 3 feet high and blooming in large clusters. Pkt. 10c.

Dwarf Snapdragon (New) "Golden Rose." A elegant bedding variety, 1½ feet high with very large and showy flowers; excellent for borders. Pkt. 10c; ¼ oz. 20c.

**BELLIS (English Daisy)**

A favorite perennial plant which will bloom throughout the year. The seed we offer is saved from the finest double varieties; easily raised from seed; usually sown in July or August; but can be sown in spring, and for best results should be sown each year 4 inches.

Bellis—Monstrosa. New double Giant Daisies. These come in white and pink and are the size of smallasters, and are produced on long flower stems, 6 to 8 inches. Highly recommended for the border. Each 10c pkt; 3 for 25c, or mixed 10c; 3 for 25c.

Giant Rose. A superb variety, producing but 12 to 15 flowers to the plant, but these are of extraordinary size; of beautiful bright rose. Pkt. 15c; 2 pkts. 25c.

Bellis—The Bride. A magnificent, very double free-flowering, pure white, bearing its large flowers on extra long stems, making it of exceptional value for cutting. This is a new giant flowered variety. Pkt. 15c; 2 pkts. 25c.

Bellis—Double Mixed. All colors; of the finest quality. 1-16 oz. 40c.

Bellis—Snowball. Fine White. Pkt. 10c.

Bellis—Longfellow. Fine. Pkt. 10c.

Bellis—Mixed. Fine quality. Pkt. 5c.

Bocconia Japonica. A fine large leaved plant for bedding. Pkt. 10c.

Browallia Elata. Fine for bedding and borders, 5c pkt.

Browallia Jamesoni. "Madam Modjeska Heliotrope." (Streptosylon.) Very similar in habit of growth to Heliotrope, but more hardy, blooms very profusely, large clusters of orange flowers, shaded light scarlet, perennial. Easily grown. Same treatments as heliotrope. Pkt. 10c.

BALSAM

Double Camellia-Flowered (Lady Slipper). An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored, double flowers in the greatest profusion; of easy culture; succeeds in a good rich soil; tender annuals; 2 feet. Start the seed in March under cover or sow out-of-doors in May. To grow fine specimens they should not be closer than 18 inches apart.

Balsams. Improved camellia flowered. Mixed 10c pkt.

BAPTISIA AUSTRALIS

False Indigo. A beautiful hardy perennial herbaceous plant, producing pea-shaped flowers on spikes 6 inches long. Bright blue; 2½ ft. Pkt. 5c.

**Giant English Daisies, Snowball-White**

BEGONIAS

Everblooming Bedding Varieties

The following are varieties of *Begonia Semperflorens*, and take rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in positions partially or wholly in shade. They are of sturdy growth, growing about 1 foot high and forming dense bushes, which, from May until frost, are completely hidden with flowers. As pot plants for winter-flowering they are superb, remaining a sheet of bloom throughout the entire year. Easily raised from seed, which should be started either indoors or in a hotbed, or better yet to plant in boxes of peat moss or leaf mold—and do not cover seed at all, but cover close with a pane of glass and water from the bottom.

Begonia Gracilis. A very pretty half-dwarf variety, 8 to 10 inches high, densely covered with handsome flowers of a delicate rose color. Pkt. 15c.



Spray of Begonia Luminosa

Begonia Luminosa. New, fiery dark scarlet, with foliage reddish-brown or bronze. A superb variety, quite dwarf in habit and bearing the flowers on stems well above the foliage. Pkt. 10c.

Begonia Vernon. Fine for bedding. Pkt. 10c.

Begonia Semperflorens, Erfoldi. Pkt. 10c.

Begonia Madame Chatelaine. Pretty counterpart to the pink flowering dwarf everblooming Begonia "Zurich" introduced a few years ago, forming handsome round, loose bush, completely hidden with proportionately large flowers of a lovely carmine-scarlet. Foliage reddishbrown. Splendid bedding variety, reproducing itself true from seed. Pkt. 15c.

Begonia Tuberous Rooted. Fine strain from Europe. Pkt. 25c.

BARTONIA AUREA

Golden Bartonia. Producing showy golden-yellow flowers above its gray and downy thistle-like foliage, which is exceedingly brilliant in the sunshine. Sow it where it is to remain, as it does not bear transplanting, annual; 2 feet. Pkt. 5c.

BRACHYCOME (Swan River Daisy)

Iberidifolia "Blue Star" (New.) An annual, but in California it becomes a perennial, blooming quite all the year. Good hardy border plant. Pkt. 5c.

ORNAMENTAL PEPPER

Capsicum Cherry. A small cherry-shaped Pepper, largely used for holiday decoration, best if grown in pots. Pkt. 10c.

CANTERBURY BELLS

(Campanulas)

With all the species it is best to plant the seed very early in the spring or fall—but we have had good results from seed started in mid-summer. The seed should be sown in protected beds or boxes with slight covering and shade. Transplant as soon as large enough. The following list contains Annuals, Biennials and perennials and for convenience have divided them under the different classes—the Biennial if planted by Oct. 1st generally flower next season.

ANNUAL VARIETIES

Campanula Attlea. Most graceful little plants, which are very hardy and should be better known. A fine mixture of whites, lavenders and blues. Pkt. 10c.

C. Speculum. (Venus Looking Glass). Grandiflora (Pentagonia). Pkt. 5c.

C. Speculum. Blue. Pkt. 5c.

C. Speculum Procumbens. A trailing variety; fine for hanging baskets. Pkt. 10c.

BIENNAIS

TRUE CANTERBURY BELLS

(Campanula Medium)

Very ornamental garden plants of easiest culture, flowering the second season from seed; hardy biennial, 2½ feet high, producing large bell-shaped flowers of exquisite colors. The "Cup and Saucer" varieties (*Campanula Calycanthema*) produce beautiful single flowers three inches in length, saucers 3 to 4 inches across. The plants form perfect pyramids of bloom bearing frequently from 100 to 200 of these exquisite blossoms for weeks during the early summer.

Double Mixed. Pkt. 10c.

Double Blue. Pkt. 10c.

Double Lavender. Pkt. 10c.

Double White. Pkt. 10c.

Double Rose. Pkt. 10c.

Double Striped. Pkt. 10c.

Single Rose. Pkt. 5c.

Single White. Pkt. 5c.

Single Blue. Pkt. 5c.

Single Mixed. Pkt. 5c.

Calycanthema. (Cup and Saucer Canterbury Bells). This is unquestionably the finest type of this old-fashioned and much-prized garden plant. They differ from the ordinary type in having an extra large calyx, which is of the same color as the flower, giving the appearance of a cup and saucer. They are effective either in the garden or grown in pots for conservatory or table decorations.

C. Calycanthema Rose. Pkt. 10c.

C. Calycanthema White. Pkt. 10c.

C. Calycanthema Blue. Pkt. 10c.

C. Calycanthema Mixed. Pkt. 10c.
3 pkts. for 25c.

Campanula Longistyla. This Campanula, which, was introduced into Europe from Transcaucasia only a few years ago through the Botanical Gardens at Tiflis, is a biennial, growing to a height of 20 in., of compact, erect habit, which is remarkable for the abundance, size and fine gleaming violet color of its pendant blooms, unfolding in July. Of easy cultivation, it is recommended for borders and baskets. Pkt. 10c.

PERENNIAL CANTERBURY BELLS

Carpatia (Carpathian Hare-bell). Free flowering hardy perennial, continuing in bloom the whole season; color clear blue; grows 6 inches high; especially good for edging. ¼ oz. 25c; pkt. 5c.

Alba. The white-flowered form of the above. Pkt. 5c.

Persicifolia Moerhemi. The plant grows more compact than the other persicifolia varieties, and the stems are quite covered with very large flowers of the purest white, which have a diameter of 2½ to 3½ inches and are double and semi-double. The flowers are not bell-shaped like other Campanulas, but resemble a double-white Camellia. Pkt. 15c.

Persicifolia Gigantea. A beautiful variety of the Peach Bells. The plants grow about 2 feet high, and in June and July bear spikes of large double pure white flowers. 3 pkts. for 35c. per pkt. 15c.

Persicifolia Grandiflora (Peach Bells). Undoubtedly one of the finest of the hardy Bellflowers; grows 2 to 3 feet high, with large blue bells. ¼ oz. 50c; pkt. 10c.

Persicifolia Alba. The white-flowered Peach Bells. Pkt. 10c.

Pyramidalis (The Chimney Bellflower). A beautiful, stately, hardy plant, rather for garden nor pot culture; blue salver-shaped flowers; 4 to 5 feet. ¼ oz. 25c; pkt. 10c.

Campanula Garganico. Charming miniature trailing Bellflower with light blue flowers, splendid plant for hanging baskets. Pkt. 15c.

Campanulas. Fine perennials and hybrids mixed. This assortment is made up of our fine collection and is highly recommended. Pkt. 10c.

Campanula Phytidocalyx. (Amabilis Perennial (new)). A very handsome plant of lovely light blue. Pkt. 15c.

CANDYTUFT (IBERIS)

The Candytufts are among the best flowers for edging, for bedding or massing for rockeries and for cutting. Several of them are fragrant, and are profuse in bloom. Sown out of doors at any time of the year will bloom in about three months. Pkt. 5c; oz. 25c except where noted.

Candytuft Coronaria (Rocket) Candytuft. Flowers in upright spikes. Oz. 20c.

Candytuft Empress. One of the best compact head. Oz. 40c.

Candytuft Little Prince. Very large heads, pure white.

Candytuft White Rocket.

Candytuft Carmine.

Candytuft Crimson.

Candytuft Odorata. White, sweet-scented.

Candytuft Mixed colors.

Calceolaria Hybrida. (Tender plants) Grandiflora. Large flowers; splendid strain. 25c pkt.

Calendula Officinalis. Fine for border. 5c pkt.

Double yellow, double orange and mixed. Each 5c pkt.



Canterbury Bells

COREOPSIS GRANDIFLORA

"Harvest Moon." One of the finest hardy garden plants grown, forming large clumps 2 to 3 feet high and increasing in beauty, luxuriance and floriferousness each year, though it flowers the first season from seed sown early. Immense rich, yellow flowers, shaded with orange, flowering in profusion for a long period during the summer, unequaled for cutting; grows anywhere. Pkt. 10c.

Coreopsis Lanceolata. For cutting. Pkt. 5c.

Calliopsis (Coreopsis) Bicolor. For cutting. Pkt. 5c.

Calliopsis Bicolor. Improved new giant flowered variety, with red, brown center and light yellow at outer edge of petals. A very striking flower blooming about 3 months from seed. Pkt. 10c; ½ oz. 20c.

Calliopsis Marmerata. A very dwarf variety fine for bedding; grows 12 inches, free flowering, and a remarkable showy little plant; flowers yellow with reddish brown center. Pkt. 5c; ½ oz. 20c.

Coreopsis Drummondii. An annual coreopsis, though practically proving perennial in California. This beautiful Calliopsis is similar in size to "Harvest Moon" but has a dark eye in center of flower, blooming three to four months after planting and when cut back quickly throws up other flower stems and blooms practically all summer; flowers about 2 inches across, and stems 12 inches to 2 ft. long; keeping for days when cut. Pkt. 10c; ¼ oz. 20c.

Coreopsis-Hybrid "Golden Wave." A new variety, similar in size to C. Grandiflora but has a delicate lacey ring around base of petals of light maroon and gold, setting off the deep yellow in a striking manner. Very handy perennial. Pkt. 10c.

CENTAUREAS

This is one of our specialties in flower seed, and the popularity of it has greatly increased during the past few years, owing to the beautiful late introductions we have been able to secure from the finest stock grown on either continent. They should be planted where they are to be grown, and at any season of the year, and will bloom about four or five months from planting.

Under this name is included such popular flowers as Sweet Sultan, Corn Flower, Blue Bottle, Bachelor's Button, etc., and known in all sections of the country and especially popular in California. A great favorite among the florists for cut flowers.

Royal Sweet Sultan or Imperialis is the improved strain. We have these in the following colors. Pkt. 10c; oz. 50c.

Centaurea Imperialis Pure White.
Centaurea Imperialis Bright Lavender.
Centaurea Imperialis Rose.
Centaurea Imperialis Margarete White.
Centaurea Imperialis Purple.

Centaurea Cyanus (Corn Flower, Ragged Sailor), etc., the favorite bright blue sort, so much in demand for cutting. Pkt. 5c.

Centaurea Cyanus. Mixed colors. Pkt. 5c; oz. 10c.

Centaurea Cyanus. Double Blue Cornflower. This is identical in color to the popular single blue variety, which is so much in demand for cutting, especially for buttonieres, but, being a full double flower, it takes fewer of them to make a nice bunch, and is better in every way. 10 cts. per pkt., 3 pkts. 25c.

Centaurea Suaveolens. A beautiful large yellow variety. Pkt. 5c; oz. 50c.

Centaurea Candidissima (Dusty Miller) This is the best of the so-called "Dusty Miller" plants being more white and dwarfer than the cineraria. Pkt. 10c.

Cheiranthus Maritimus. Virginian stocks mixed. Pkt. 5c.



Centaurea and Gypsophila in Bouquet

CINERARIA HYBRIDA

Magnificent and indispensable flowering plants for winter and spring decoration for the conservatory or window gardens. The flowers measure 2 to 3 inches across, are of white, blue, violet and crimson shades; usually two or more colors are shown in one flower, covering the plant with a sheet of bloom. The Cinerarias are quite hardy in California and if planted out under shade, bloom to the greatest perfection. Seed may be sown in beds and boxes, carefully protected, and when large enough, may be bedded out or grown in pots. Sown in spring for winter flowers.

Large-flowering, choicest mixed. From prize varieties. Pkt. 25c.

Stellata, Improved Hybrids. Tall, pyramidal plants, bearing quantities of medium-sized star-like flowers in immense umbels; an exceedingly decorative pot plant. Colors, white, rose, red, carmine and blue mixed. Pkt. 25c.

Cineraria—Giant Flowered Dwarf Hybrids. An improved large flowering class, with compact growth—in many rich colors; a prize strain. Pkt. 25c.

Cineraria Maritima. Used for borders. Silvery green foliage. (Dusty Miller). 10c.



Cockscomb—Empress

CLARKIAS

These are among our best annual native flowers, planted in early fall bloom in early spring, and can be kept in bloom nearly all the year. The following are garden hybrids of the old C. Elegans and grow about 1½ ft. Each per pkt. 5c.

Clarkia Double Rose.
Clarkia Double Crimson.
Clarkia Single Pink.
Clarkia, Single Purple.
Clarkia Single White.
Clarkia Double Mixed.
Clarkia Single and Double Mixed.

CELOSIA CRISTATA (Cockscomb)

Free blooming annuals growing best in rather light soil, not too rich; make grand border plants and are attractive for pots. Should be sown early, as they stand no frost.

Celosea Childsi—"Woolflower." The new dwarf cockscomb from China. Introduced some 2 years ago; has proven a great acquisition to this class of plants; should be bedded out and transplanted as soon as frost is past. Pkt. 15c.

Cockscomb Empress. Combs of colossal proportions; they have been grown measuring 24 inches from tip to tip: rich crimson. Pkt. 10c; ¼ oz. 50c.

Cockscomb Glasgow Prize. Immense, showy dark crimson combs. Pkt. 10c.

Cockscomb—Queen of the Dwarfs. This we consider the finest of the dwarf-growing Cockscomb. The plants grow only 8 inches high, with beautiful dark rose-colored combs, measuring under good condition 2 feet across. Pkt. 10c.

Cockscomb—Dwarf Mixed. Fine dwarf varieties. Pkt. 10c.

CELOSIA PLUMOSA**(Feathered Cockscomb)**

Make fine plants for large beds or groups and the plumed flowers can be cut and dried for winter bouquets.

Cockscomb—Thompson's Superb (Triomphe de l'Exposition). Of pyramidal growth, attaining a height of little more than 2 feet, and producing graceful, feathery plumes of the most brilliant crimson. In sunlight the rich color of the flower spikes is beautifully contrasted with the bronzed-colored foliage. Pkt. 10c.

Cockscomb—Thompsoni Magnifica. Similar to the preceding in all respects except in color, which varies in the most magnificent shades, ranging from the clearest yellow to the darkest blood-red. Pkt. 10c.

Cockscomb—Golden Plume. Bright, golden-yellow plumes. Pkt. 10c.

Cockscomb—Plumosa, Mixed. Feathered varieties in the colors. Pkt 10c.

CARNATIONS AND PINKS

The splendid carnation of the florist is a very interesting plant to grow from seed, and it is not over exacting. These can be sown in beds or in boxes at any time of the year, and they will bloom in four to six months after sowing. Young plants are perfectly hardy out of doors. The new race of Margaret carnations are an extra vigorous class, and bloom profusely. For masses of bloom few plants are finer, and for pots also, their neat habit makes them very suitable. Grown as annuals from seed sown in spring they are very satisfactory. Our seed of these varieties is especially grown for us in Europe.

TRUE CARNATIONS

Fine Double Mixed. The best for garden culture. Pkt. 10c.

Finest Double Mixed. Saved from extra fine flower. Pkt. 25c.
Grenadin, charming. Dwarf and compact. Scarlet. Pkt. 10c.
Perpetual or Tree. Very fine mixed. Pkt. 25c.

Chaubaud's Everblooming. Raised by a famous French specialist. Blooms in five months after being sown and continues to flower in the greatest profusion indefinitely. Mixed colors. Pkt. 25c.

Dianthus—Plumarius, Clover or Grass Plunks. These very desirable sweet-scented, low growing early blooming pinks are unequalled for the border of beds, automobile drives, and the old-fashioned garden, and should be planted in quantities in any good garden soil with full sun, and in an open situation. Single mixed. Delicately fringed flowers, $\frac{1}{4}$ oz. 20c; pkt. 10c.

Dianthus Plumarius Semperflorens; Florist Pink. Hardy class; very fragrant. Double mixed. 10c.

Dianthus Flore Pleno, Double Mixed (Pheasant's Eye), $\frac{1}{4}$ oz. 20c; pkt. 10c.

MARGARET CARNATIONS

These are deservedly the most popular Carnations with amateurs as they begin flowering in a few weeks from time of sowing. The strain offered is of semi-dwarf, robust habit, requiring no artificial support, and producing on long, strong stems an abundance of large, double, beautifully fringed, highly-scented flowers. All the following varieties at 10c per pkt.

Very double choice, quality mixed.
Very double choice quality white.
Very double choice quality rose.
Very double choice quality scarlet.
Very double choice quality dark red.
Very double choice quality yellow.

DOUBLE GARDEN PINKS

Chinensis Fl. Pl. China or Indian Pink)—Blooms in clusters, flowers very double and in a large range of bright colors. $\frac{1}{4}$ oz. 15c; pkt. 5c.

Diadematie Fl. Pl. (Double Diadem Pink). Beautiful double flowers, mixed, of various tints of lilac, crimson, purple, to very dark purple, with the outer edges fringed and nearly white. Per $\frac{1}{4}$ oz. 30c; pkt. 10c.

Dianthus Laciniatus Fl. Pl. (Double Fringed Pink). Large, double, showy flowers, with fringed edges, in a great variety of colors, including beautiful striped sorts, mixed colors. Per $\frac{1}{4}$ oz. 30c; pkt. 10c.

Dianthus Nobilis Fl. Pl. (Double Royal Pinks). A double flowering form of Royal Pinks. Flowers of largest size, varying in color from scarlet to dark blood-red and rose to white. $\frac{1}{4}$ oz. 50c; pkt. 10c.

CYCLAMEN GIGANTEA

Cyclamen Gigantea "Rococo." A fancy strain of large flowering Cyclamen with fancy markings and fringed petals. A superior strain. Pkt. 25c; 50 seeds 50c.

Cyclamen Gigantea. Large flowered variety. Fine strain. Mixed. Pkt. 25c.

C. Papilio. New Butterfly Cyclamen. Fine strain. Pkt. 50c.

COSMOS

This is one of the notable fall flowers, but can be planted in California at any time of the year. If planted in the spring it will not flower till fall, but if planted during the summer it will be more dwarf and flower about the same time, or if planted in late fall will bloom in the spring. Several new varieties have been added to this popular flower. If topped when half grown will hasten flowering. They should be grown in full open sun. Pkt. 5c; oz. 40c; except when noted.
Glant Fancy. Red and crimson.
Glant Fancy White.
Lady Lenox. A true giant. We exhibited flowers of this marvel over 6 inches across. Color is a deep pink and is very striking. This is the finest cosmos to date, looking like a single dahlia. Pkt. 10c.



New Crested Cosmos

Hybrida Klondyke. Yellow, smaller than the above, but very pretty. Pkt. 10c.

Cosmos, White Lady Lenox. (New). Identical with the older pink variety of which it is supposed to be a seedling; pure clear white with large broad petals—a superb variety. Pkt. 15c; oz. 75c.

Cosmos, (New) Early Flowering. Mixed. These bloom 1 to 2 months earlier than the older varieties. Pkt. 10c.

Cosmos, New Early Flowering. White. Pkt. 10c.

Cosmos, New Early Flowering. Red. Pkt. 10c.
Mixed. Very fine. Pkt. 5c.

NEW DOUBLE AND CRESTED COSMOS

Last year we introduced what we termed Double Cosmos. This year we are segregating the different forms of flowers and term them Doubles and Crested forms.

New Crested Cosmos. A form as illustrated in picture. This is the original form but are being constantly improved. We offer three distinct colors this year in the Crested type, but many of these will be of double form. They will vary considerably but are all charming flowers.

New Crested Cosmos. White. Pkt. 15c.

New Crested Cosmos. Pink. Pkt. 15c.

New Crested Cosmos. Crimson. Pkt. 15c; 3 pkts., 1 each of above 35c.

New Crested Cosmos. Mixed. Pkt. 15c.

New Double Cosmos. Pink. A full double daisy like flower; improved strain. Pkt. 15c.

New Double Cosmos. White. Fully double-form. Pkt. 15c.

PERENNIAL CHRYSANTHEMUMS

For Chrysanthemum plants, see plant list.

Japanese Hybrids. Saved from large flowering named florists' varieties. Sown early in spring, will bring blooming plants, first season. Pkt. 15c.

Frutescens Grandiflora. (White Paris Daisy or French Marguerites). They bloom the entire year. Fine for bedding or tail border. Pkt. 10c.

ANNUAL CHRYSANTHEMUMS

These are becoming more popular every year and are not only grown for summer but are quite as satisfactory for winter flowers, being hardy in So. California. Can plant at intervals and have them in bloom the year through of compact, thrifty growth, about 2 feet high. Large plantings are made in August, September and October for winter blooms.

Chrysanthemum, Single Mixed. These are sometimes called Painted Daisies because of their bright colored flowers, which appear about 3 months from planting, coming in all shades and colors of flowers from yellow buff, red and maroon blotched and rayed, making excellent flowers for cutting. Pkt. 5c; $\frac{1}{4}$ oz. 15c.



Double Cosmos. From Actual Photo.

Chrysanthemum Carinatum Tricolor. A large daisy-like yellow flower, with ring or ray center of maroon. Pkt. 5c; ¼ oz. 15c.

Chrysanthemum, Car. The Sultan. Purple and scarlet. Pkt. 5c; ¼ oz. 15c.

Chrysanthemum Car. Lord Beaconsfield. White with rose ring. Pkt. 5c; ¼ oz. 15c.

Chrysanthemum Car. Eclipse. Brown and yellow. Pkt. 5c; ¼ oz. 15c.

Chrysanthemum Car. Northern Star. Giant White flowers, dark center (novelty). Pkt. 10c.

Chrysanthemum Coronarium. Double white. Pkt. 5c.

Chrysanthemum Coronarium. Double yellow. Pkt. 5c.

Chrysanthemum Coronarium. Double mixed. Pkt. 5c; oz. 15c.

Chrysanthemum Evening Star. Pkt. 10c; ¼ oz. 15c.

Chrysanthemum White Star. Pkt. 5c; ¼ oz. 30c.

Chorizema Illicifolium. A holly leaved plant with orange scarlet flowers, which are produced in great profusion a greater part of the year, grows 3 to 5 ft. high. Excellent for cutting, very showy, hardy shrub. Pkt. 10c.

Coleus. These are very largely used for bedding but are quite tender, and will not stand outside during winter. Should be bedded out in early spring, shady position preferred, and on approach of winter trimmed back and potted up, and can be used as house plants for winter decoration. Seed is very small and requires considerable care in planting. Best way is to plant in loose soil composed of sand and leaf mold, equal parts, in deep box and cover with glass or cloth shading in hot weather. Cover seed very slightly.

Coleus. Fine quality. Mixed. Splendid for bedding. Pkt. 10c.

Coleus. Exhibition of finest colors and fine foliage. Pkt. 25c.

DAHLIAS FROM SEED

They flower the first season if sown early.

Choice, Large-Flowering, Double Decorative and Show Varieties, Mixed. Pkt. 10c.

Cactus Dahlia, Double, Mixed Colors. Saved from the choicest show varieties. Pkt. 10c.

One of our customers exhibited in our store a beautiful assortment of single and double varieties. In October, produced from seed planted in early spring. These compared most favorably with the best named varieties, and he had much more pleasure in knowing they were of his own growing. Although they are perennials, they do fine and bloom first year if planted early in the spring.

DELPHINIUM OR HARDY LARKSPUR

Giant Hybrids. A splendid race of these hardy garden plants. The seed has been saved from one of the choicest named collections in England, all carefully hybridized, so that plants, spikes and flowers of magnificent proportions will be produced. The individual blossoms are of immense size, semi-double and perfectly double, dressing the graceful, towering spikes for them 2 to 5 feet of their length. The colors and shades are wonderfully lovely and varied, ranging from pure white and most chaste lavender up through every conceivable shade of blue to deep indigo and purple, several shades being blended in some of the varieties. The plants are tall growers, from 4 to 8 feet in height; there are but few plants that contribute so much to the beauty of garden or herbaceous border. By cutting off the spikes immediately after flowering these Delphiniums may be had in bloom for several months. Pkt. 15c.

Delphinium, Bella Donna. Everblooming hardy Larkspur. Light blue with giant flower spikes often making stems 7 to 8 feet high and flower spikes 2 feet. Most gorgeous sight when planted in clumps. This is, we believe, one of the grandest of the entire list. Pkt. 15c.

Delphinium, Blue Butterfly. (Chinese). This is a new dwarf species with extremely attractive clusters of flowers. Pkt. 10c.

Delphinium, Chiniensis Album. Pure dwarf white, fine for cutting, giant flowered and excellent variety. The coloring is very rare. Pkt. 15c.

Delphinium Cashmerianum. Dark blue Monk's hood like flowers. This is an entirely new species and is an excellent variety. Pkt. 20c.

Delphinium Formosum. Dark blue, fine perennial, and especially hardy and attractive. Pkt. 10c.

Delphinium Zabil. Sulphur yellow, very hardy, with long spikes or flowers, 25c.

Delphinium Cardinals. A pure, bright scarlet, very fine and hardy, Pkt. 10c.

ANNUAL LARKSPURS

All the following 5c per pkt, except where noted.

Larkspur Tail Branching. Choice mixed.

Larkspur, Emperor. This is one of the most popular sorts for massing in beds. Grows medium high and very attractive, of good branching habits.

Larkspur Emperor White.

Larkspur Emperor Apple Blossom.

Larkspur Emperor Rose.

Larkspur Emperor Blue.

Larkspur Emperor Violet.

Larkspur Emperor Black Blue.

Any of above, Pkt. 5c; oz. 25c.

NEW LARKSPURS

New Larkspur, Newport Pink. This beautiful new color of "old rose" is one of the finest and most showy of late introductions, grows about 3 ft. Pkt. 10c; ¼ oz. 25c.

New Larkspur, Lustrous Carmine. New shade; very attractive. Pkt. 10c; ¼ oz. 20c.

DIMORPHOTHECA AURANTIACA Orange African Daisy

Rare and extremely showy annual from Namaqualand, South Africa, which will soon become a great favorite in all countries on account of its very easy culture and its beautifully colored flowers. The plants, of very neat branchy habit, grow about 12 to 15 inches high and are exceedingly profuse in flowering. Well adapted for groups or borders, it produces its pretty flowers very early after being planted out in the open ground in sunny situations and will continue to flower during the entire year. Pkt. 10c.

Dimorphothea Hybrids Coming in all colors, of yellow, white and orange. Pkt. 10c.

DIGITALIS OR FOXGLOVE

(Each 5c per pkt, except when noted.)

These improved Foxgloves are very showy, hardy, perennial plants for the

garden and herbaceous border, they are easy to grow and produce freely long spikes, standing 4 to 5 feet high, well furnished with largest Gloxinia like flowers of various colors including white, cream, rose, red and other shades all of which have beautiful throat markings, spots and blotches of purple, maroon, etc. They are more robust than the ordinary garden Digitalis, have shorter stems and larger flowers.

Gloxiniaeflora Alba. White.

Gloxiniaeflora. Lilac.

Gloxiniaeflora. Purple.

Gloxiniaeflora. Rose.

Digitalis Gloxiniaeflora. Finest mixed 10c.

Digitalis Monstrosa, Mixed Colors. A very unique and beautiful type, producing long spikes of large flowers of various colors, many of which are beautifully spotted, etc., but the striking feature of this strain is the enormous bell-shaped blossom that tops each spike of flowers. Pkt. 10c.

Digitalis Monstrosa Alba. 10c.

Digitalis Monstrosa Rubra. 10c.

Dusty Miller. See Centaurea and Cineraria.

Echinops—"Globe Thistle." Large growing plants of easy culture for massing or among shrubs. Perennial summer bloomer. Pkt. 10c.

Eremurus Bungei. A remarkable plant flowers spike to 8 feet and 1 ft. thick. Very showy. Pkt. 25c.

Erigeron Aurantiacum (Orange Daisy). Large flowering in great variety, a good and new daisy with beautiful colorings. Grown same as perennial asters or Pentstemons. Pkt. 15c.

Erigeron Coulteri. A white variety. Pkt. 15c.

Erigeron Speciosus. (The Midsummer Daisy.) An attractive perennial large clear pale mauve flowers with bright golden centres. Excellent for cutting. Height 18 inches. (Illustrated). Per pkt. 15c. See Perennial Aster.

Eschscholtzia. California Poppy. Too well known to describe. This plant can be kept blooming from year to year if kept watered.

Common California Poppy. Pkt. 5c.

California Poppy. White. Pkt. 5c.

California Poppy. Mixed, all colors Pkt. 10c.

California Poppy. Mandarin. Pkt. 5c.

California Poppy, New, Crimson. Improved strain—90 to 95 per cent true. A very fine strain, and a valuable new variety, compact growth and fine deep color. Pkt. 10c; oz. 40c.



Delphinium Growing in Los Angeles

"GOLDEN WEST" POPPIES

An improved strain of our California Wild Poppy, which is so popular. Can be planted any time of year and is a perennial if kept well watered, otherwise is treated as an annual. Flowers are very large, often 4 to 5 in. across, of deep orange yellow. Pkt. 10c; ½ oz. 15c; oz. 25c; lb. \$2.50.



ESCHSCHOLTZIA CALIFORNIA POPPY

Echium—Giant Torch Flower. We exhibited this plant at our store and its giant flower spike created considerable amazement. The flower spikes reach 5 to 7 feet in height and 8 inches through, and is a great curiosity. Seed planted during spring or summer blooms the next spring. Pkt. 10c.

Echinacea (Purple Cone-flower). Closely related to Golden Glow. Hardy Herbaceous plant and recommended for border or hardy bedding. Pkt. 10c.

EUPHORBIA

Strong-growing annuals, suitable for beds of tall-growing plants or mixed borders; the flowers are inconspicuous; but the foliage, however, is exceedingly ornamental.

Euphorbia Variegata (Snow on the Mountain), attractive foliage, veined and margined with white; 2 feet. Per oz. 30c; pkt. 5c.

Euphorbia Heterophylla (Annual Poinsettia Mexican Fire Plant, Painted Leaf). An annual resembling in habit and color the beautiful hot-house Poinsettia. The plants grow 2 to 3 feet high, of branching, bush-like form with smooth, glossy-green leaves, which about mid-summer become a beautiful orange-scarlet, presenting a striking and brilliant appearance. Pkt. 10c.

Felicia Abyssinica—"Blue Marguerite." Low growing shrubby Herbaceous plant, sometimes called "blue daisy." Makes a splendid bedding plant; also useful for pot culture. Pkt. 10c.

Festuca Glauea (Perennial). A "blue gray" Grass-like plant that makes a beautiful border along walks or beds, grows about 6 inches high and is quite hardy. Plant in small bed or box and transplant. Pkt. 10c.

Forget-Me-Not. See Anchusa and Myosotis.

Four-O'Clock (Mirabilis). An old garden favorite. In California it is a perennial and a very attractive plant as it is always in flower. Pkt. 5c.

Francoa Ramona Hybrida. "Bridal Wreath," a magnificent new flower (biennial) often blooming first year if planted early. Highly recommended. Pkt. 20c.

Freesia. This bulbous plant is generally grown from bulbs, but the seed is an easy way of growing them, a good time to plant seed is in latter part of summer or early fall.

These will bloom freely the coming spring. Pkt. 10c.

Freesia Hybrids. Freesias are lovely pot plants, usually grown from bulbs, for their elegance and the sweet fragrance of their flowers. Heretofore the flowers have been white, but this new creation contains singular colors not as yet seen in Freesias, and will bloom the first year from seed. 20 seeds 25c.

GAILLARDIAS

The flowers are exceptionally large, often 4 to 5 inches across, and very highly colored in great diversity of variations and blendings, including such combinations as dazzling scarlet with gold edge, blood-crimson with yellow edge, yellow fiery crimson and many others. These magnificent Gaillardias are hardy perennials, less coarse and more compact in growth than the older kinds and they produce a constant succession of flowers all summer and fall when grown in large groups they are gorgeously effective. As cut flowers they are almost unrivaled; the immense and brilliant flowers on long, self-supporting stems, "vase" handsomely and they last in water for days.

Giant Hardy Hybrid Gaillardias, Mixed Colors. Pkt. 10c.



Gerbera Jamesoni

Gaillardia Grandiflora. Splendid mixed. Pkt. 10c.

Gaillardia Grandiflora semi-plena. This novelty produces semi-double flowers nearly 4 inches across; colors light yellow, deep golden and sometimes tinged with red. The velvety-maroon disk forms a brilliant contrast. Hardy perennial. Pkt. 15c.

Gilia California Wild Phlox. These are mostly native California flowers and are very hardy, early flowering annuals and perennials; sown in fall commence to bloom in early spring, or by keeping well watered bloom nearly all summer.

Gilia Achilleifolia. Bright blue, growing about 2 feet. Pkt. 5c; oz. 25c.

Gilia Tricolor. Lavender-pink. Pkt. 5c; oz. 25c.

Gilia. Fine mixture. Pkt. 5c; oz. 20c.

Gladiolus Lemoines. Finest mixed. Pkt. 10c.

G. Childs. Robust class. Pkt. 10c. Nothing is more easy of growth than these plants. Will bloom first year from seed. Sow in beds and transplant.

Glaucum Fischeri. (Horn poppy). A silver green foliage plant resembling Dusty Miller with large flowers. Pkt. 10c.

Glaucum. Horned Poppy. Perennials, but generally treated as annuals. Silver green foliage; fine for borders. Pretty flowers. Pkt. 5c.

Geum-Coccineum. Perennial. A very attractive, orange scarlet flower, grows 1½ to 2 ft. high, blooms freely. The brilliant color of the flower makes it very desirable. Pkt. 10c.

Geum. Mrs. Bradshaw. (New). Very useful for cutting. Pkt. 15c.

Gomphrena. (Globe Amaranth). Sometimes called "Bachelor Button." Pkt. 5c.

Tall, mixed.
Dwarf, mixed.

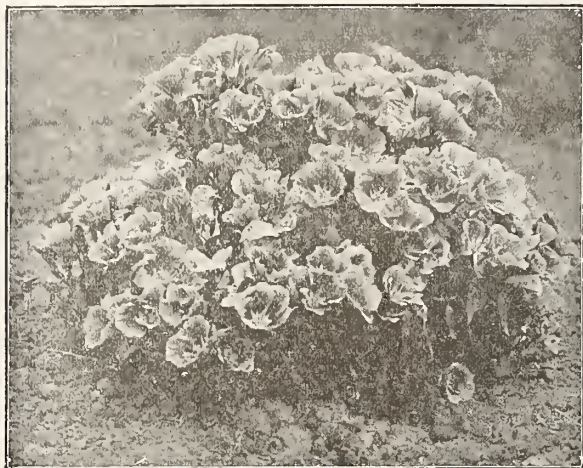
Gazania Hybrida Graadiflora. Mixed. "Black-eyed Susan." Most all are familiar with the old variety, but this new strain is a great acquisition as one can get all shades from white to deep orange colors. Pkt. 15c.

Genista Aadreana. The finest variety of the Genista grown, and entirely distinct from all others. The upper petals are clear golden yellow, forming a striking contrast to the rich velvety brownish scarlet of the lower petals, and making a brilliant and showy flower. Genista Aadreana makes a fine specimen shrub. Pkt. 10c.

Gerbera Jamesoni. Hybrida Mixture. Novelties of the greatest merits, running in colors from white and pinks to the deepest scarlet. 10 seeds 10c.



Gilia (California Phlox)



Godetia—Crimson Glow

Gerbera Jamesoni. "African Daisy." Grand for cutting with beautiful deep scarlet daisy-like flowers, three to four inches across. A perennial of the grandest coloring, recently introduced. 10 seed, 15c; 100 seed \$1.

Golden Feather (Pyrethrum). This makes a very hardy and satisfactory border. Has yellow feather-like foliage; grows about 8 to 10 inches. Pkt. 5c.

GOURDS

Ornamental climbing or trailing plants of great diversity of shapes and colored fruits. They should be planted in early spring. Each 5c per pkt.

Pipe Gourd. The variety from which the Smoker's Pipe is made. Pkt. 10c; oz. 30c.
Dish Rag—two varieties.
Calabash shaped.
Bottle shaped (Lagenaria).
Dipper shaped. Egg shaped.
Hercules Club. (Teddy's Big Stick).
Mock Orange.



Hollyhocks—Chater's Prize

GODETIAS

As the illustration herewith portrays, the very satisfactory plant as a border. These can be had in separate colors of dwarf varieties as follows:

Crimson Glow Dwarf
Red. 5c pkt., ¼ oz. 30c.

Bijou, white and rose
5c pkt; ¼ oz. 25c.

Gloriosa, dwarf, dark red, 5c pkt. ¼ oz. 25c.

Duke of Fife. White spotted carmine. Pkt. 5c, ¼ oz. 25c. Also for other varieties see further list.

Balsam Apple (Mormodica).
Balsam Pear (Mormodica).
All varieties mixed pkt. 5c; oz. 10c.
Collection of 8 varieties, 25c.

Golden Glow. See "Rudbeckia."

Golden Rod. See Solidago.

GODETIAS

Godetias are splendid free-flowering annual for summer bedding, with heads of cup-shaped flowers, blooming for a long period. The flowers when cut retain their beauty for some days in water. The flowers afford magnificent display when grown in masses. Each variety, pkt. 5c.

Godetias Duchess of Albany. Dwarf, pure white. Grows about 1 ft. high.
Godetias Duchess of Albany Compacta. Very dwarf, grows about 6 inches high. Splendid for bedding flowers; pure white.

Godetias Lady. Satiny rose. Extra fine; a new dwarf variety of beautiful habit and form. Pkt. 10c.

Godetias Mixed Tall varieties.
Godetias Mixed Dwarf varieties.

GYPSOPHILA "Baby's Breath"

Pretty free flowering elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers. (See cut Centaurea.)

Gypsophila Paniculata New Double. An extremely attractive addition to this old favorite. A novelty of great merit, coming fairly true from seed of perfect little double florets. Pkt. 25c.

Gypsophila Elegans alba Grandiflora. This is an improved large-flowering, pure white form of the annual Baby's Breath, of free, easy growth, and grown by the acre in the suburbs of Paris and London for use with other cut flowers. Several sowings should be made during the season to keep up a supply. Per oz. 30c; pkt. 5c.

Gypsophila Paniculata. White flowers, fine for bouquets; one of the favorite hardy perennials, blooms first year if sown early, 2 feet. Per ¼ oz. 15c; pkt. 10c.

Hypericum. (St. John's Wort.) Mixed varieties. One of the best hardy perennial bushy shrubs we list. Always in bloom, mostly of a clear yellow color, with long crimson anthers and yellow stamens. Pkt. 10c.

Heliotrope. New Giant flowered hybrids mixed, all colors, from very light blue to dark blue. Blooms in very large clusters and grows much more robust than the old variety. Pkt. 10c.

HOLLYHOCKS

Hardy perennials or biennials, mostly treated as the latter, but most of

them if planted in early fall or winter will bloom within the year. "Hybrids" or Allegheny species will bloom first year without trouble.

The double German and Chater's superb strains, are best treated by sowing seed in spring or summer for next year's blooming.

These are all garden favorites and are known to everyone, and we would recommend them for showy effect in the background of borders. There is nothing that can surpass them but remember they grow from 5 to 9 feet high.

Allegheny. Semi-double. Mixed colors, with fringed flowers. Pkt. 10c.

Hollyhocks. Giant Double German. In good mixture. Pkt. 15c.

Chater's Superb Prize, a fine class, crepe-like flowers. Pkt. 15c.

Heliopsis Pitcheriana. A perennial with flower similar to the sunflower—bright yellow—fine for cutting and bouquets. Pkt. 5c.

Helenium Superbum. A tall growing perennial, with yellow flowers; fine for cutting. Pkt. 10c.

Helianthus. (Sunflower). A large double variety. Pkt. 5c.

Heliopsis. Everlasting Flower Very fine class.

H. Bracteatum. Fine mixed, 5c.
H. Monstrosum. Very large flowers, 10c.

Linum Grandiflora. (Scarlet Flax). Pkt. 5c.

Linum Flavum. Yellow Perennial Flax, growing 3 to 4 ft. Very attractive herbaceous shrub. Pkt. 10c.

Linum Perennis. Blue Flax, 2 ft. Very good for cutting. Pkt. 5c.

Leucanthemum Maximum. New Shasta Daisy, Triumph claimed to be an improvement on the old Shasta Daisy. Pkg. 15c.

Leonotis Leonurus (Lion's Ear or Tongue). A very attractive yellow flower, Herbaceous Perennial, 2 to 3 ft. Perfectly hardy here, and highly recommended for hardy border. Pkt. 10c.

Lunaria. An old garden favorite, cut when the seed pods are young and dry. They are largely used in this way for bouquets. Pkt. 5c.

Impatiens Sultani. Hybrids; finest mixed. A very useful plant for bedding. 10c.

Jerusalem Cherry. See Solanum.

Koehia Trichophylla. (Summer Cypress) Forms highly decorative bushes, foliage green, turning to red in autumn. Pkt. 10c.

Lupinus (Lupinus). Fine for bedding, 5c.

L. Hybridas, mixed varieties.
L. Hybridas, Nanus, dwarf mixed.
L. Hybridas, tall sorts, mixed.



Giant Yellow Tulip Poppy

Larkspurs. See Delphiniums.

Linaria Maroccana Excelsior. New hybrid of this free blooming annual in varied colors, such as dark, violet, bright blue, rose, dark carmine, and shades of yellow. They make a fine show in masses sown out of doors. Beautiful for bouquets. Lasts 10 days. 15c pkt.

Linaria Aparinoides. Golden Gem. 10c.

Linaria Bipartita (Elegans). White. 5c.

Lathyrus Latifolius. "White Pearl," "Hardy Everlasting Pea." A grand new snow white variety with flowers double the size of the old type and produced in very large trusses of from 8 to 20 on a stem, blooming most all season. Plant is of most robust habit and is sure to become very popular, not only as a climber, but as a cut flower. Pkt. 10c.

Lathyrus Latifolius. Perennial pea, white, pink and red. Each per pkt. 5c. Mixed pkt. 5c.

Liatris. See California Wild Flowers.

HUNNEMANIA Fumariacifolia **Giant Yellow Tulip Poppy**

This is by far the best of the poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and never out of flower until hard frost. $\frac{1}{4}$ oz. 25c; 10c per pkt.

LOBELIA

A small growing plant largely grown for borders and baskets. The dwarf kinds for Border and the trailing kinds for baskets.

Lobelia, Crystal Palace. Dwarf, deep blue bronze foliage. Pkt. 10c.

Lobelia Pumila. Dwarf, bright blue, White eye. Pkt. 10c.

Lobelia Emp. William. Dwarf, light bright blue. Pkt. 5c.

Lobelia Gracilis. Trailing bright blue. Pkt. 5c.

Lobelia. Royal purple. Dwarf, purple blue. Pkt. 10c.

Lobelia. White. Dwarf. Pkt. 10c.

Lobelia Hybrida Sapphire. The new trailing Lobelia, fine for hanging baskets or window boxes. Flowers are a clear deep blue with white eye. Blooms in about 4 to 5 months after planting. Pkt. 10c.

Lobelia Hamburgiana. A very beautiful trailing variety similar to Sapphire. Fine for hanging baskets or window boxes. (Blue). Pkt. 10c.

Marguerite. "Paris Daisy." Largely used as a bedding plant; also for hedge; always in bloom. Pkt. 10c.



Linari—Fine for Bouquets

MARIGOLDS

Culture: The seed may be sown most any time, and the plants pricked off into a good rich compost. The great point is to secure strong healthy plants which may be expected to produce large fine blooms. If blooms are required for exhibition, not more than four branches should be allowed on each plant, and only one bloom on each branch.

The African class is the taller grower and largest flowers, globular in shape or like a puff ball. The French class are very satisfactory for dwarf bedding. Flowers are not quite so large.

NEW AFRICAN MARIGOLDS

Marigold, Golden Ball. This is the extremely double curled and twisted petal variety making a perfect double ball. Pkt. 10c.

Marigold, New Lemon Ball. Very full and double like above except in color. Pkt. 10c.

Marigold Dwarf French Double Mixed. Pkt. 5c.

Marigold Dwarf French Single. Pkt. 5c.

Marigold Dwarf Legion of Honor. A very dwarf single, extremely showy, bedding plant. Pkt. 5c.

Marigold Tall Double African. Finest Mixed. Pkt. 5c.

Marigold (African) Orange King, yellow. Pkt. 5c; oz. 20c.

Marigold (African) Lemon Queen. Clear lemon. Pkt. 5c; oz. 25c.

Matricaria Eximia. Double white. Pkt. 5c.



Lobelia—Compacta growing for seed—
Useful for Borders

MYOSOTIS (Forget-Me-Not)

Palustris Semperflorens. A perennial variety that is hardly ever out of flower; useful in a shady spot in the border and for forcing for cut flowers in the winter. Pkt. 10c.

Alpestris—robusta—grandiflora. The large perennial spring flowering Forget-Me-Not, with intense sky blue flowers, bright and attractive. Pkt. 10c.

Myosotis Striata. "Blue Gem." Very distinct, upright habit; fine for cutting. Pkt. 10c.

Myosotis Disitiflora. Very early, large deep blue flowered variety. Pkt. 10c.

NEW MYOSOTIS, OR "FORGET-ME-NOTS"

The Sylph. A new silvery-white flowering Forget-Me-Not of compact dwarf growth. The clusters of flowers are carried on long stems, well above the foliage. Pkt. 10c.

Myosotidium Nobile. "New Zealand Forget-Me-Not." This beautiful Forget-me-not is known as the Chatham Island Lily. Pkt. 15c.

MIGNONETTE

We can highly recommend our various strains of this fine flower. Mr. P. D. Barnhart, a critical grower, says of our Mignonette Goliath. "It is by far the largest and finest I ever saw in mignonettes." And his many orders testify to its superior quality.

Mignonette Golden Queen. Pkt. 5c; oz. 40c.

Mignonette Ruby Red. A very attractive variety. Pkt. 10c.

Mignonette Sweet, large flowering. Pkt. 5c; oz. 35c.

Allen's Defiance. A fine strain of giant flowered, white variety. Pkt. 5c; oz. 40c.

Paris Market. A great favorite for bedding, having large spikes. Pkt. 10c; oz. 40c.

True Machet. One of the finest for florist use; large spikes of beautiful colors; orange to red. Pkt. 10c; oz. 60c.

Giant Pyramidal, an upright grower with large spikes. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

Goliath. This is by far the best Mignonette, surpassing even our selected strain of Giant Machet. The plants grow in fine pyramidal bushes the foliage is rich green, contrasting strikingly with the bright red of the flowers. The flower stalks are tall and strong, while the spikes are often 7 in. long and 2 in. in diameter. Mignonette delights in very rich (not freshly manured) soil, and requires watering. Pkt. 10c; $\frac{1}{4}$ oz. 20c.



Lobelia Hybrida Sapphire in Hanging
Basket



New African Flower

NEMESIA STRUMOSA SUTTONII

A new flower of recent introduction, with remarkable colorings in delicate shades—tigered blotched and striped—coming in buffs, orange, pinks, with beautiful markings; grows 9 to 15 in. high; perfectly hardy here; plant in early spring in seed bed and transplant blooms in 3 to 4 months. Pkt. 25c.

Moon-Wort. See Lunaria.

Mourning Bride. See Scabiosa.

Nemophila Insignis. Baby Blue Eyes. A California native of great merit for sowing broadcast in shrubbery or in bulb beds. Pkt. 5c; oz. 20c; lb. \$2.00.



Forget-Me-Not—Myosotis Robusta Grandiflora

Nigella (Love-In-a-mist). An old garden favorite. Pkt. 5c.

Oenothera. Evening Primrose. Annual sorts. Mixed. Pkt. 5c.

Phacelia Campanularia. Annual of great merit, very hardy and most valuable on account of the beautiful pale blue flowers which are borne in clusters. Fine for cutting. Pkt. 10c.

Painted Daisy. See Annual Chrysanthemum.

NASTURTIIUM—Tall Sorts

Any of the following 5c per pkt. 15c per oz., ¼ lb. 40, except where noted.

Atropurpureum. Crimson.

Chameleon. A splendid mixture, produces different colored flowers on a plant. Ours is the true strain and extra selected.

Coccineum. Bright scarlet.

Jupiter. Best and largest yellow.

King Theodore. Rich deep red, dark foliage.

Luteum. Yellow.

Pearl. Whitish, also called "Moonlight."

Vesuvius. The most gorgeous fiery rose imaginable.

Spitfire. Brilliant scarlet.

Brilliant. Dark scarlet.

Golden Queen. Yellow.

Ivy-leaved. Scarlet.

Lucifer. Very dark scarlet.

King of the Blacks. Black-brown.

"Firefly." Dark orange, spotted and flamed blood-red; the spur is also blood-red; foliage and stems dark.

Primrose. Creamy white with brown spots, large flowered.

Tall Sorts in Finest Mixtures, 1 lb. \$1.50.

NASTURTIIUM—Dwarf Sorts

All sorts. Pkt. 5c; oz. 15c; ¼ lb. 40c.

Aurora. Deep chrome yellow blotched carmine.

Chameleon. Mixed new.

Cloth of Gold. Flowers scarlet, foliage yellow.

Coccineum. Bright scarlet.

Crystal Palace Gem. Sulphur, spotted maroon.

Dark Crimson. Rich color, green foliage.

Empress of India. Deep crimson, dark-leaved.

King of Tom Thumbs. Scarlet, dark-leaved.

King Theodore. Rich red, dark bluish foliage.

Ladybird. Golden yellow, barred with ruby crimson.

Pearl. Whitish.

Ruby King. A peculiar, blue-tinted red.

Spotted. A handsome sort.

Yellow. (Luteum).

Dwarf Nasturtiums. All colors mixed. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

Fancy and Variegated Leaved Varieties

Golden Cloth. The foliage is of a bright yellow, while the flowers are intense scarlet. 1 oz. 15c.

Ivy Leaved Mixed. Deep green leaves of distinct ivy-form. The flowers are beautifully fringed at the edges of the petals and at the throat. 1 oz. 15c.

Queen of Tom Thumbs. Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage, and is strikingly handsome and useful for bedding or pot culture. 1 oz. 15c.

Collection of 10 Dwarf Nasturtiums. Our selection. 1 pkt. each 40c.

Collection of 10 Tall Nasturtiums. Our selection. 1 pkt. each, 40c.

Collection No. 2 of Dwarf or Tall Nasturtiums. 10 varieties, our choice. 1 oz. each, 85c.

POPPIES

(Annual and Perennial)

Poppy Alpinum. A hardy biennial blooming first year. We offer these in the mixture as white, yellow, orange, Chamois, etc. Pkt. 10c.

Giant Shirley. A great advance in single-flowering annual poppies. The flowers are immense, often measur-

ing 3 to 5 inches across, the petals are fluted and crinkled and in the sunlight appear like rumpled satin. The plants are well branched, about 24 inches high, and they bloom in continuous succession for weeks. There is white, white-veiled, pink white-splashed crimson, rose banded with white, salmon, carmine, blush, scarlet, and many splashed, striped, dotted and edged, etc. Pkt. 5c. oz. 25c; ½ lb. \$1.00.

Poppy Scarlet. Improved new strain orange scarlet with golden anthers. Very free bloomer. A fine thing for early flowers. Pkt. 10c.

New Giant Oriental Poppies. Among hardy perennials these hold an unrivaled position for gorgeous effectiveness in gardens and hardy borders; height 2 to 3 feet; flowers immense, often 6 inches across. Colors, salmon, fiery-scarlet, rose, lilac and copper color, pink-blotched, purple, blood-red blotched, black, orange, etc. Mixed colors. Pkt. 10c.

Poppy Danebrog. A brilliant scarlet with white center. Pkt. 5c; oz. 25c.

Poppy Mikado. Double white with deep rose edge. Pkt. 10c.

Poppy Miss Sherwood. A pure satiny single white. Pkt. 10c; oz. 20c.

Poppy "Maid of the Mist." Light shade of pink. Pkt. 5c; oz. 20c.

Poppy Admiral. Large single white with scarlet edging. Pkt. 10c.

Poppy Fire Dragon. Brilliant deep scarlet with black spots margined white. Pkt. 5c; oz. 25c.

Poppy, Double Shirley. Improved fancy strain called Ranunculus Poppy on account of their striking resemblance to that flower. The lasting qualities are very good. Pkt. 5c; oz. 20c.

Poppy Tulip (Glaucum). A large single flower of vivid scarlet, very hardy and good for sowing in fall and winter. A bed of these makes a gorgeous sight. Pkt. 5c; oz. 25c.

Poppy, "Carnation." A tall class of double flowered Poppies. Pkt. 5c, oz. 20c.

Poppy, Giant English Scarlet. A finer new scarlet flowered single, fine for bedding. Pkt. 5c; oz. 20c; lb. \$2.50.

Poppy, Japanese Pompon. Finest mixed (new); very free bloom; small flowers very double; size of Pompon Dahlias; fine for bedding. Pkt. 10c; oz. 35c.

Poinsettia. Christmas flower. Five seed 10c.



Shirley Poppy

Penstemon—Very ornamental plants that make a splendid effect in borders, etc. They bloom practically the whole year. The half-pendant bell-shaped flowers show beautiful shades and markings of scarlet, pink, white and blue. Sow in cool, shady bed and transplant. Perfectly hardy in most any situation.

Penstemon. Mixed. Handsome sorts. 10c.



Penstemon

Portulaca. "Moss Rose." Is most desirable for borders or parkways, as it stands great heat and drought; must not be sown till warm weather.

Portulaca (Moss Rose). Giant flowered. Double mixed. Pkt. 10c.

Portulaca Grandiflora. Single mixed. Pkt. 10c.

Portulaca Grandiflora. Single white. Pkt. 10c.

Portulaca Grandiflora. Single red. Pkt. 10c.

Portulaca Grandiflora. Single pink. Pkt. 10c.

Portulaca Grandiflora. Single scarlet. Pkt. 10c.

PHLOX—DRUMMONDII

(Flame Flower)

The Annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds of contrasting colors. Few flowers are so easily grown from seed—and if given good soil and care can be grown throughout the year—and do as well in winter as any of our bedders.

Large Flowering

The large-flowering kinds are a decided improvement on the Common Drummondii, producing flowers twice the size of the latter, in the most brilliant colors imaginable.

Alba. Pure white, extra large.

Intense Scarlet.

Rosy Carmine. White eye.

Rosea. Pink, white eye.

Vivid Crimson. Large white eye.

Large Yellow. A very fine color, quite novel and distinct; fine flower.

Scarlet Striped. Beautiful.

Black Brown. The darkest of all.

Stellata Splendens. Clearly defined white star, contrasting strikingly with the vivid crimson of the flowers.

Alba Oculata. Pure white, claret eye.

Cream Color. New.

Sky-Blue. Striped white.

Dark Salmon-Rose.

Any of the above packets, 10c, 3 for 25c; ¼ oz. 15c; ½ oz. 30c; oz. 85c.

Large Flowering Phlox in Splendid Mixture. Includes all the above and many other shades and colors. Pkt. 250 seeds, 10c; ¼ oz. 25c.

Phlox. Large Flowering Dwarf Snow-Ball. A fine white. Pkt. 10c.

Phlox. Large fl. Dwarf Fireball. A deep scarlet. Pkt. 10c.

Phlox Decussata. The Perennial Phlox. Planted early in season blooms first year, and after blooming cut stem down and they frequently bloom again the same year. Pkt. 10c.

Penstemon Japonica. "Hardy fountain grass." Growing 2 to 4 feet high and is extremely showy; on border in for center of bed has long purplish colored flower heads, which are nice for cutting. Pkt. 5c.

PLATYCODON

(Chinese Bell Flower.)

One of the best hardy perennials, producing very showy flowers the whole season. They form large clumps, and are excellent for planting in permanent borders or among shrubbery; easily raised from seed, which begins blooming in August if sown outdoors in April.

Platycodon (Balloon Flower, or Japanese Bell-Flower). Are closely allied to the Campanulas, and form neat, branched bushes of upright habit.

Grandiflorum. Large steel-blue flowers. ¼ oz. 25c; pkt. 5c.

Album. Pure white variety. ¼ oz. 25c; pkt. 5c.

PRIMULA (Primrose)

The charming and beautiful Chinese Fringed Primroses and obconica varieties are indispensable for winter or spring decorations in the home or conservatory. They are one of our most important winter-blooming pot plants. The seed we offer is of the highest merit, and has, as usual been saved from the best strains of English and Continental growth. Florists and others report that they have never seen finer flowers than those produced from our seed. Sow in January, February, March, April or May. The hardy varieties are also deserving of wide cultivation.

Large-Flowering Chinese Primroses. **Choicest Mixed.** This mixture contains nothing but the finest fringed free-flowering sorts, and cannot fail to give entire satisfaction. Pkt. 25c.



Primula Elatior



Primula Malacoides

Obconica Grandiflora. A profuse bloomer, bearing on long stems heads containing 10 to 15 flowers. Pure white, shading to lilac. Pkt. 25c.

Obconica Fimbriata. A fringed variety of the above, the flowers being as finely fringed as the Chinese Fringed Primrose. Pkt. 25c.

Forbesi (Baby Primrose). This is the freest-flowering primula we know of. The little plants throw up tiny flower stalks when only a few weeks old. These should be pinched off and the plants kept growing until October, and from then on until late in spring they produce their sprays of beautiful rosy-lilac flowers in seemingly never ending profusion. Pkt. 25c.

Primula Cortusoides Sieboldi. (Japanese Primrose). There are not so well known as they deserve; they are of free growth, with dark green foliage, and throw up in late spring innumerable stems of large flowers, varying in color from pure white to rich crimson. They succeed under the same conditions as the common hardy Primroses, and are also useful for forcing under glass, making beautiful pot plants. Pkt. 15c.

Vulgaris (English Primrose). Flowers fragrant, canary-yellow color. ¼ oz. 60c. Pkt. 15c.

Primula Malacoides. A new Hybrid Primula which has become immensely popular on account of its hardy nature and free flowering, growing in habit similar to Obconica but is considered finer, of light lilac to pure white in color. Pkt. 25c.

COWSLIP (Primula Veris)

A beautiful hardy spring-flowering perennial; flowers of different colors, such as yellow, brown edged yellow, etc. Very fragrant; 6 in. Pkt. 10c.

POLYANTHUS (Primula Elatior)

Showy, early spring, free-flowering plants, fine for either pot or outdoor culture; hardy perennial; 9 inches. **English.** The best single; all colors mixed. Pkt. 10c.



Primrose (Primula) Obconica



PANSY—Orchid Flowered

PANSIES

Our Pansies are the best strain we can secure and our many years' experience with this plant assists us in selecting the best sources for our supply and the blending of varieties for our many mixtures. We have exhibited these at many shows and believe there are none to surpass them in size and beauty. Our mixtures are fine, and we know cannot be surpassed anywhere.

Cultural directions. Plant the seed in July and August under cloth cover, for fall and winter blooming; or in late fall for spring flowering. The seed should be covered very lightly not over $\frac{1}{2}$ inch, and kept cool and damp. When large enough, transplant.

Collection of 12 Giant Pansies. This collection contains one packet each of 12 of the largest and most beautiful Pansies in cultivation. Price 90c.

Masterpiece Giant Ruffled Pansies. A remarkable strain of Giant Pansies, the flowers of which are so large and full that the broad petals seem to be "gathered" to the stem, causing them to be undulated and fluted from centre to circumference, not unlike "frilled" velvet. The flowers are extraordinarily large and are borne on strong stems well above the foliage; they are all five-blotched on the "Odier" pattern, and contain rich combinations of coloring. The plants are vigorous and large, and flower abundantly. Mixed colors. $\frac{1}{8}$ oz. 60c; oz. \$4.00; pkt. 25c.

Morris & Snow Superb Giant Prize Pansies. A distinct new type of Pansies of greatest merit. The flowers are of giant size and are borne in profusion—well-grown they measure 3 to 3 $\frac{1}{2}$ inches across—and of most gorgeous effects, blotched, spotted, marbled, veined, striped and blended, colors passing through reds, rose, pink, white, purple, in beautiful and indescribable variegation. Mixed colors. $\frac{1}{8}$ oz. \$1.00; 1 oz. \$6.00; pkt. 25c.

Mammoth Parisian Pansies. The Parisian Pansies are distinguished by their magnificent and varied colors and strong markings. There is usually a large "blotch" on each of the five petals, with a surrounding band of some strikingly contrasting color, over all of which is thrown a cobweb-like netting of yet another hue. Mixed colors. $\frac{1}{8}$ oz. 60c; pkt. 25c.

Pansy, Steele's New Mastodon. An extremely large strain of grand colors. An elite mixture. This strain is grown in Oregon and the past season proved of great merit in our trials. We recommend it as equal of any European strain. Pkt. 25c.

Pansy, New Giant Exhibition. This strain is the finest and largest pansy grown. Grows to immense size, and

mostly used for exhibition purposes. While it does not produce such quantity of blooms, they are wonderful in size. Pkt. about 250 seeds, 50c.

Pansy, New Giant Orchid Flowered. White. This class is probably not so large as others, the colorings are most delicate and at once remind one of a Catley Orchid. They are all of delicate light colors. Pkt. 25c; $\frac{1}{8}$ oz. 60c.

Pansy—(New Silver Edged) Freya. A grand variety for bedding, of a rich purple color edged with silver white, very robust and an exceedingly fine variety, with curled petals. Pkt. 15c; $\frac{1}{8}$ oz. 65c; oz. \$4.00.

Pansy Mixtures

All colors, mixed. Pkt. 5c; oz. \$1.50.

English Show (Faced) Varieties, mixed. Pkt. 10c; $\frac{1}{8}$ oz. 40c.

Trimardeau's. All colors mixed. (True Giant). Pkt. 15c; $\frac{1}{8}$ oz. 50c.

PANSIES

In named and separate colors

Last season our strains of Pansies were praised above everything grown for the market.

Pkt. 10c; $\frac{1}{8}$ oz. 60c.

Giant Auriculaeflora. Rare shadings with eye.

Giant Azure Blue. Light blue.

Giant Emperor William. Blue.

Giant Fleeking. Bright red and yellow.

Giant Indigo Blue.

Giant King of the Blacks.

Giant Lord Beaconsfield. Purple, shading to lavender.

Giant Pure Yellow.

Giant Pure White.

Giant White. With eye; white flowers with large, deep violet spots on each of the lower petals.

Giant Yellow. With dark center.

Giant Striped. The perfection of all striped varieties handsomely flamed or striped in rich contrasting colors.

Giant Golden Queen. Pure yellow.

PETUNIA

Once fairly started, the Petunias grow almost as easily as weeds and furnish bloom the entire year. The large-flowered Petunias are very beautiful and of almost endless variety. The seed of the Double and Giant-flowered Petunias is made expensive by the great amount of labor involved in hand-fertilization, and it is well to handle seed and tiny seedlings with some care. Sow in beds or boxes of fine soil, and cover with sacking, cloth or glass, at any time of the year. The common varieties may be sown broad-

cast where they are to grow, although they may be treated the same as the more tender sorts. When they are large enough, transplant about one foot apart in garden beds. The seed of the double varieties has not so much vitality as that of the single sorts and needs a little more care in watering to be sure of germination. We have no better plants for borders, window-boxes, baskets and vases. They will grow in almost any soil and bloom profusely through long droughts. The newer varieties are of very brilliant colors.

Petunia Hybrida. Mixed. Pkt. 5c.

Petunia Hybrida. Inimitable Howard's Star. Pkt. 10c.

Petunia Large Fl., fringed single variety, superb mixed. Pkt. 25c.

Petunia Fringed large flowered double; quality unsurpassed. Pkt. 50c.

Petunia Giants of California. A superb strain of single large flowered giants, ruffled and fringed. Pkt. 25c.

Petunia Hybrid. Double; mixed colors. Pkt. 25c.

Phormium, Tenax. New Zealand hemp. A very ornamental plant, with long flag like leaves. Perennial of easy growth; very ornamental for sub-tropical garden. Easily grown. Plant in bed or seed box and transplant. Pkt. 10c.

PYRETHRUM

Hybridum Double. Too much cannot be said in favor of this grand hardy perennial, which will thrive in any good garden soil where there is good drainage and full exposure to the sun. Their main season of blooming is in June, but if the old flower stems are removed they will give a fair sprinkling of flowers in the autumn. The bloom is similar to that of an Aster, and ranges in color from pure white and the various shades of pink and red to deep purple. Splendid for cutting, lasting a week in good condition. Pkt. 10c.

Pyrethrum Roseum. Largely used for cutting like Margarets. 10c pkt.

Pyrethrum Parthenifolia. Golden Feather. Largely used for border around beds. Light yellow foliage. Pkt. 5c.

The Pyrethrum is the plant from which is manufactured the many brands of insect powders—such as Dalamatian, Buhach, Persian Insect Powder, etc.—according to the company making same. The P. Roseum is the principal variety used, and a few plants of this in the garden is recommended.



Single Fringed Petunias—"Giants of California."

Rehmannia Angulata (Perennial Calceolaria). A hardy perennial, introduced from China a short time ago. Closely related to our Calceolaria and resembling the Incarvillea Rosepurple, throat tipped with nice red spots. It is a very decorative plant in the true sense of the word, and is well adapted for beds or pot culture. Flowers are produced in great abundance during the entire summer, and is valuable as a cut flower. We offer here some nice new tinged and tigré hybrids. Per pkt. 25c.

Rhodanthe Manglesi. A fine everlasting flower, used largely in bouquets. Pkt. 10c.

Ricinus Zanzibariensis. (Castor Oil Bean). A new variety with immense leaves. 5c.

Rudbeckia Neumannii. "Golden Glow." Vivid yellow, semi-dwarf in habit, very free and long bloomer, with very large spikes of flowers. Pkt. 10c.

Ruellia Tuberosa (New). A very bushy and rich flowering perennial; should be planted under glass or frames in early Spring. The numerous Bignonia like flowers of clear blue color, which stand well above the foliage, are very striking. Early planted seed commence flowering in July and last till Christmas. Pkt. 10c.

ROSELLE or Lemonade Plant

Hibiscus Sabdariffa. Jamaica Indian Sorrel. This is the plant that furnishes the "Roselle Hemp" of the Madras Territories where it is called Roselle. In the West Indies it is used for making cooling drinks and jellies. Pkt. 10c; oz. 30c.

SALVIA (Scarlet Sage)

Salvia Splendens or scarlet sage, is a standard bedding plant that keeps the garden bright with color all year through. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting to give color. Its best use, however, is as a hedge or border plant, where long, broad bands of intense color are desirable. Best is to plant seed in bed or box and transplant when large enough. Pkt. 10c; ¼ oz. 40c.

Clara Bedman, (Bonfire). The plants form handsome globular bushes about 2 feet in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are of a most brilliant dazzling scarlet. Pkt. 10c.

Salvia. Precox. New Dwarf, large flowered, early blooming scarlet sage, much more dwarf in habit than most others. And commences to bloom when only 4 to 6 inches high; flower heads are large and of brilliant scarlet. Pkt. 10c; ¼ oz. 50c.

Salvia. Giant Flowered Dwarf. A new strain of sage, of very dwarf compact habit with very large flower heads. Brilliant dazzling scarlet. Pkt. 10c; ¼ oz. 50c.

SCABIOSA

Scabiosa Maxima. The "Sweet Scabious" or "Mourning Bride" of old gardens, but much improved in size, colors and doubleness. Many of the flowers measure 6 to 9 inches in circumference, are double clear to the center, and have long stems. They are very free bloomers; very effective for garden decoration, and valuable for cutting; annuals. Height, 1½ to 2 ft.

Scabiosa—New Silver Lavender. A great improvement on the old lavender, in fact one of the grandest of all the class; clear color without any trace of rose. Pkt. 10c, oz. 50c.

Scabiosa—Large, double, white.

Scabiosa—Large, double, white and lilac.

Scabiosa—Large, double, flesh.

Scabiosa—Large, double, cherry red.

Scabiosa—Large, double, white.

Scabiosa—Large, double, brick red.

Scabiosa—Large, double, purple.

Scabiosa—Large, double, mixed.

Each 5c per pkg. 6 for 25c.

from the end of June until late in the autumn. Pkt. 10c.

Hardy Scabiosa

Scabiosa Japonica. New hardy perennial Scabiosa from Japan, forming large bushes 2½ to 3 feet in height and breadth, with elegant light green foliage. Flowers 2 to 2½ inches across on long wiry stems from 15 to 20 inches in length, of a beautiful mauve or lavender-blue. The plants, extremely free-flowering, produce their lovely flowers continuously

SWEET WILLIAM (Dianthus)

The old popular garden favorite, should be planted before October 1st in order to bloom the following spring, as it is a Biennial and will not bloom the first year.

Sweet William New Giant early flowering hybrid. Blooming 3 to 4 months from planting. Among many flowers of recent introductions, there are none that have attracted more attention than this wonderful novelty. A true hybrid cross between the old Barbatus or Sweet William and Dianthus Laciniatus (or Annual Pink); and range of colors are wonderful; every color found in either class. Pkt. 10c.

Sweet William, Auricula-Eyed. This is a magnificent strain of this old time popular plant, growing 12 to 18 inches high and blooming in large heads—of most brilliant shades, which blend so perfectly, all having the eye very prominent. A border or bed planted with these will give great satisfaction. Pkt. 10c; 3 for 25c.

Sweet William. Fine single mixed. 5c pkt.

Sweet William. Fine double mixed. 10c pkt.

Solandra Grandiflora "Cope d'oro" (Cup of Gold). For the first time that we have been able to offer the seed of this wonderful climbing vine, which is so admired by everyone. Flowers are very large, often 8 inches across. Pkt. 15c.

STREPTOSOLEN JAMESONI (Madame Modjeska Heliotrope) (Browallia)

Very largely grown in Southern California as a half climbing shrub and is quite common in Pasadena gardens. Deep orange yellow, and

blooms in great profusion. A very desirable plant, to be treated like Heliotrope. Pkt. 10c.

Santolina (Lavender Cotton). Chamaecyparissaus. Largely used in Los Angeles as a border or edging plant, easily sheared to shape as a low small hedge. Six inches high. Pkt. 10c.

Stevia Serrate. Largely used for bouquets. A very easily grown perennial, and used for mixed bouquets. Pkt. 10c.

Solanum Hendersonii. Jerusalem Cherry. Thousands of these plants are used at holiday season for decoration. They bear in great abundance small Cherry Capsicum, which see. Pkt. 10c.

Swainsonia. This is an Australian plant of the pea family, growing 2 to 3 ft. high and is very fine for cutting Perennial.

Swainsonia White. Pkt. 10c.

Swainsonia Rosea. Pkt. 10c.

Shamrock. The True Irish Clover used for centuries for decorating on the 17th of March. St. Patrick's Day. Grows as readily as clover. Pkt. 10c.

SUNFLOWERS (Helianthus)

Sunflower. New Red-flowered. Coming very fairly true to color, and is very attractive for cutting, lasting for days. Pkt. 10c.

Sunflower. Large Double Globe. Very showy on border or in back of beds. Pkt. 5c; oz. 25c.

STATICE (Sea Lavender)

Most valuable plants either for the border or rockery, with tufts of leathery foliage and immense caldelabralike panicles of minute flowers, producing a remarkable effect; grows from 15 to 18 inches high, and blooms from May until September.

Statice Caspia (New). One of the finest of the many varieties. Smaller flowers than Latifolia and of more delicate appearance in bouquet work. Makes up beautifully with other flowers, or may be cut and dried for future use. Will last for months. Pkt. 10c; oz. 65c. (See illustration page 44.)

Statice Arborea. Tall-growing variety with lavender-blue flowers on very long stems. Pkt. 10c.

Statice Latifolia (Great Sea Lavender). Immense heads, 2 to 3 feet across, of deep blue flowers, which last for months if cut and dried. Pkt. 10c.

SHASTA DAISY SEED

We have a fine lot of clean, plump seed, saved from the best flowers only.

Alaska. Flowers very large, pure white, on long stiff stems. Pkt. 10c.

Stokesia Cyanæa. The hardy blue "Cornflower Aster." This beautiful hardy perennial plant is not so well known as it deserves to be. No garden, large or small, should be without it. It is of the easiest culture, blooming the first year from seed, and succeeding in any open sunny position. The plants grow from 18 to 24 inches high and begin flowering in July, continuing late in October, rendering them highly valuable for cutting, supplying a shade of color not over plentiful at any season of the year. Pkt. 10c.

Stachys Alpina. A perennial plant resembling Dusty Miller; thick and hairy leaf. Fl. dark rose color; fine bedding or edging plant. Pkt. 10c.

Stachys Lanata. A fine silver leaved plant, fine for edging or border. Hardy perennial. Pkt. 10c.

Torenia Fourieri. Fine mixed. Blue. 10c.



Spray of Our Grand Strain of Auricula Flowered Sweet Williams

**SALPIGLOSSIS**

There is no flower we have that has such queer and beautiful markings as this flower. They come in all shades of yellow, also deep golden colors, deep reds, purple and most all have peculiar mottlings and variegations. The plants grow from 3 to 5 ft. high.

Salpiglossis—Giant Emperor

Salpiglossis. New Emperor. This strain is a very great improvement on the older type in its increased size of flowers, their improved shape and larger variety of colors, and more than all else in their singularly beautiful veinings of gold. These are the only flowers, to our knowledge, that show a glint of gold in their coloring. Pkt. 10c.

Salpiglossis. Giant superb strain, a wonderful improved strain with giant flowers in magnificent mottlings and colorings. One of the queerest of flowers. We are offering this giant strain in the following separate colors. Pkt. 10c.

Salpiglossis—
Crimson and Gold.
Dark Scarlet.
Black (very dark).
Dark Red.
Rose and Gold.
Scarlet and Gold.
Violet and Gold.
Yellow.

Any 6 packages of above 45c.

Salpiglossis. Large flowering sorts in splendid mixture. Pkt. 10c; oz. 50c.

Solidago Canadensis. Golden Rod, an old garden favorite. Pkt. 10c.

Schizanthus. (Butterfly Flower). An easily grown plant, bearing quantities of gay, butterfly-like flowers, beautifully marked and spotted; closely resembling some species of Orchids. For winter blooming in pots the Schizanthus is one of the most desirable of all flowers. Pkt. 5c.

Schizanthus Wisetonensis. An improved strain, excellent for pot culture and partial shade. Pkt. 10c.

Spergula Filifera. Fine little plant for edging. Pkt. 10c.

Stevia. Mixed; excellent for bouquets. Pkt. 10c.

Trachelium—Caeruleum. Hardy Perennial, 1 to 3 ft.; flowers blue; an attractive late summer flower, blooms first year from seed; splendid for using in bouquet as Gypsophila is used. Pkt. 10c.

Thalictrum Aquilegiaefolium. "Feathered Columbine." A very hardy perennial growing 4 to 6 feet, feathery like white flowers; fine for bouquets. Pkt. 10c.

**Sprays of Our Giant Verbenas****VERBENAS**

This is one of our finest hardy bedding plants, easily grown from seed. We now have all colors separate so one can grow from seed, and carry out their color scheme. The seed should be sown in seed beds, and when large enough transplant to permanent place. Cover the seed very lightly, and cover bed for a couple of weeks with cloth or sacking, or cover the bed with a few branches to shade the ground. All varieties. Pkt. 10c, except when noted.

Verbena. Mammoth Scarlet Defiance. A very deep scarlet.

Verbena. Mammoth. Purple.

Verbena. Mammoth. Pink, clear.

Verbena. Mammoth. Pure white.

Verbena. Mammoth. Auriculaeflora with eye.

Verbena. Mammoth. Italian striped.

Verbena. Mammoth. Blue.

Verbena. Mammoth. Mixed.

Verbena. Mammoth. Fordhook mixed.

Verbena. Common mixed; all colors. Pkt. 5c.

Vinea Rosea. A splendid little bedding plant well worth growing; blooming all season. Pkt. 10c.

VIOLA CORNUTA HYBRIDA

Admirabilis. The Tufted Pansies, or Violas, are rapidly coming to the front, and are likely to become as great favorites here as they now are in great Britain. A plant between the violet and pansy. Greatly improved of late until it has become one of the great European bedding plants. Blooms all the year round. Very much more hardy than the pansy. We have secured the following from European specialists. Pkt. 10c.

V. Cornuta Perfection. Bonnie Blue

10c.

V. Cornuta Papilio. Blue and white

10c.

V. Cornuta White Perfection. 10c.

V. Cornuta. Finest Mixed. 10c.

Wahlenbergia Grandiflora. Perennial Canterbury Bell. (Platycodon). A fine hardy plant highly recommended of which we have both white and blue, each, per pkt. 10c.



(Schizanthus) Butterfly Flower



Single Plant of Giant Nice Stock "Abundance"

STOCKS

These are among the most popular of all winter blooming flowers. By planting in early summer they will bloom through the winter, or planted in late fall they will bloom through the summer. The Ten Week Stocks require about four months to come into perfection, but the Brompton or winter stocks require about seven or eight months, and are both quite hardy in this climate either for summer or winter. Seed should be planted in bed or box, and transplanted—kept in the best of growth to induce double flowers. Do not pick the most rank growth in plants as frequently these are the singles.

STOCKS—(NICE STRAIN)
"Cut and Come Again"

Intermediate Class. Large flowered, long stems. The "nice" stocks have become the most popular class of any of the cutting stocks, growing about 2 feet. We recommend this for planting in late spring and summer for winter flowers, but are good for all seasons.

Abundance. Very compact growth and branching from the base; the finest stock grown. Deep clear pink. Pkt. 15c; ½ oz. 55c; oz. \$4.00.

Silver Lilac (new). The finest of this color. Pkt. 15c; ½ oz. 50c; oz. \$3.50.

Violet. Clear violet purple. Pkt. 10c; ½ oz. 40c; oz. \$3.00.

Brilliant Red. Large stems of bloom. Pkt. 10c; ½ oz. 40c; oz. \$3.00.

Yellow. "Monte Carlo." A very fine class. Pkt. 10c; ½ oz. 40c; oz. \$3.00.

Rose of Nice. A clear rose color. Pkt. 10c; ½ oz. 40c; oz. \$3.00.

Beauty of Nice. Clear, light pink or flesh. Pkt. 10c; ½ oz. 40c; oz. \$3.00.

Queen Alexandra. Deep rose pink with mauve shading. Pkt. 10c; ½ oz. 40c; oz. \$3.00.

White Nice. "Mount Blanc." Giant snow white. Pkt. 10c; ½ oz. 40c; oz. \$3.00.

Carmine. Nice "Monaco." A clear, brilliant carmine. Pkt. 10c; ½ oz. 40c; oz. \$3.00.

Princess Alice. A very popular white. Pkt. 10c; ½ oz. 40c.

Giant Perfection. Ten weeks. One of the most popular varieties for cutting; grows tall and branching with many stems and is called "Cut and come again" Stock. All colors. Pkt. 10c; ½ oz. 50c; oz. \$3.00.

White.	Lavender.
Dark Blue.	Rose.
Crimson.	Flesh.
Yellow.	Mixed.

Large Flowering Ten Weeks' Stock.

Growing about 1½ feet high, of very compact growth. Largest of flowers, with very small percentage of singles. This is an excellent strain for bedding. We have the following colors. Pkt. 10c; ½ oz. 35c.

Pure White.	Crimson.
Rose.	Purple.
Light Blue.	Yellow.
Lavender.	Mixed.

Stocks. Brompton or Winter Flowered.

The largest flowering of all the stocks but requires 8 to 10 months to bloom from seed. We have this superb variety in the separate colors as follows at 10c per pkt., 3 for 25c; ½ oz. 50c.

Stocks Brompton. White.

Stocks Brompton. Bright Rose.

Stocks Brompton. Pink.

Stocks Brompton. Lavender.

Stocks Brompton. Fine Mixed.

Stocks, Wallflower. Double spotted; mixed. Pkt. 10c; ½ oz. 60c.

Wallflower; single mixed, 5c pkt.

NEW GIANT ZINNIA

The public will hardly recognize the old-fashioned flower in this new guise. The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

Giant Zinnia—White.	Pkt. 10c.
Giant Zinnia—Deep yellow.	Pkt. 10c.
Giant Zinnia—Scarlet.	Pkt. 10c.
Giant Zinnia—Mixed.	Pkt. 10c.
Giant Zinnia—Lemon.	Pkt. 10c.
Giant Zinnia—Purple.	Pkt. 10c.
Giant Zinnia—Pink.	Pkt. 10c.

The New Zinnia "Red Riding Hood."
A dwarf growing Pompon (seldom



New Statice Caspia

over 10 inches high), making a very compact plant, blooming in 2½ months from seed and constantly in bloom all summer. The most striking border or bedding plant we have seen. Flowers are perfect little pompons, about 1½ inches across, of brilliant red, very showy and effective. Pkt. 10c; oz. 75c.

New Yellow Pompon Zinnia. Counterpart of above but deep yellow. Pkt. 10c; oz. 60c.



ZINNIA, New Double Giant-Flowered or Colossal

House Covered with *Ampelopsis Veitchi*

CLIMBING PLANTS

Adenophora Potanini. A most charming perennial climber, with drooping light blue flowers. Pkt. 10c.

Adlumia (Allegheny Vine). A frail growing biennial. Treated as a perennial. Stands best in shade, and is a beautiful flowering climber. Pkt. 10c.

Abrus Precatorius. A charming climber, with blue flowers, followed by bright scarlet seed with black eye; largely used for beads. Pkt. 10c.

Ampelopsis Veitchi. Japanese Ivy. Pkt. 10c.

Antigonon leptopus. (Rosa de Montant.) Pkt. 10c.

Aristolochia Elegans. (Dutchman's Pipe.) Pkt. 10c.

Australian Pea Vine. (Dolichos Lig-nosus). A very familiar plant. Pkt. 10c.

Asparagus Plumosa. A useful climber for decorating. 10 seeds 10c; 100 seeds 75c.

Bignonia Radicans. Trumpet Creeper. Pkt. 10c.

Balloon Vine (Love-in-a-puff). A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons and of great interest to children. Per oz. 25c; pkt. 5c.

Canary Bird Flower. Pkt. 10c.

Clematis Hybrids. Mixed. Pkt. 10c.

Cobea Scandens. A rapid climber. Pkt. 10c.

Cypress Vine. An old garden favorite for covering fences or out buildings. Pkt. 5c; oz. 25c.

Disemna Coccinea. Passiflora-like flowered; climber of brilliant scarlet blooms, very similar also to the Tacsonias. A new plant to California. 15 seed, 10c.

Giant Crimson Dolichos. Flowers at first blush deepening with age to dark red, followed by bronzy-purple

seed pods; foliage, dark green with red veins; flower and leaf stems maroon. Pkt. 10c.

Giant White Dolichos. Similar to above. Pkt. 10c.

Echinocystis Lobata. (Wild Cucumber). Hardy, vigorous climber, bearing the fruits the first year from seed. The pods are very pretty ornaments. Should be planted as early in the Spring as possible. Pkt. 10c.

Gourds. See special list.

Humulus. Hop; Japanese. Pkt. 10c.

Ipomoea Cardinals. "Cardinal Creeper," "Jewel Vine." A strong climbing vine, cross between Cypress Vine and Morning Glory. Deep cardinal red; extremely showy; annual climber. Pkt. 10c.

Japanese Cucumber. Fine climber and useful. Pkt. 5c.

Kennedyn Rubicunda. Fine. Pkt. 10c.

K. White; fine climber. Pkt. 10c.

K. Rose; fine climber. Pkt. 10c.

K. Mixed. Pkt. 10c.

K. Purple. Pkt. 10c.

Lathyrus Latifolius. Rose and white. Everlasting Pea. Pkt. 10c.

Lonicera Tartarica. (Honeysuckle). Rose. Pkt. 10c.

Mandevilla. (Chili Jasmine). Fine climber. Pkt. 10c.

Maurandia. White, purple and mixed. Pkt. 10c.

Mina Lobata. A handsome climber. Pkt. 10c.

JAPANESE GIANT MORNING GLORIES

Single Japanese Giant. Finest mixed. Pkt. 10c.

Morning Glory. A grand mixture of all colors. Pkt. 5c; oz. 25c.

Morning Glory. Purple-blue, a very strong grower. Pkt. 5c; oz. 25c.

Morning Glory. Heavenly blue. A most beautiful sort. Pkt. 10c.

Moon Vine. *Ipomoea Leari.* Perennial blue vine, very fine for covering fences and buildings. Pkt. 10c.

Moon Vine. White. A rank grower. Pkt. 10c.

Snail Vine—See *Phaseolus*.

Passiflora-Rosea (Tacsonia). A very showy climber with rose colored flowers, growing to great height, and quite hardy; a constant bloomer and often producing edible fruits. Pkt. 10c.

Passiflora. (Passion Vine). *Edulis*. Pkt. 10c.

Passiflora. *Coccinea* Scarlet. Pkt. 10c.

TACSONIA (Scarlet). This makes an extremely rapid climbing vine and has very showy scarlet flowers of the Passion flower character. Most profuse bloomer. Perennial. A very attractive vine. Pkt. 10c.

Smilax. A useful plant for decorating. Pkt. 10c.

Phaseolus Caracalla. Snail Vine. A perennial of fair growth, with large, very fragrant sweet-scented snail-like flowers, which are borne in great abundance. The seed are very scarce and hard to obtain. Pkt. 10c.

Wild Cucumbers—See *Echinocystis*.

Wisteria. An old favorite; grows readily from seed but is slow to come into bloom. Pkt. 10c.

Collection "B." Six Climbing Plant Seed. One pkg. of each properly named. 35c postpaid.

Australian Pea Vine
Bignonia Campsidim
Cobea Scandens
Passiflora Edulus (Blue)
Giant Dalichas
Morning Glory

"Garden Beautiful" Collection of HARDY PERENNIAL FLOWER SEEDS For Gardens, Borders and Groups

25 Kinds, Enumerated Below, \$1.00, or the 12 Kinds Prefixed * for 50c. Mailed Free.

(Most of these will bloom the first year from seed)

Achillea Ptarmica, fl. pl. Double white flowers, borne profusely in summer.

***Alyssum Compacta.** Spring-blooming, hardy Alyssum.

***Aquilegia or Columbine, Large-Flowering Hybrids.** Beautiful new colors.

Canterbury Bells, Calycanthema, Mixed. The "Cup and Saucer" type.

Carnation, Hardy Garden, Mixed Colors. Double fragrant flowers.

***Coreopsis Lanceolata, Harvest Moon.** Large golden-yellow flowers.

***Delphinium, Large Single Hybrids, Mixed Colors.** Perennial Larkspurs.

Dianthus Plumarius, Double Mixed. The Pheasant's Eye or Grass Pinks.

***Digitalls Gloxinoides, Mixed.** The finest strain of Foxglove, various colors.

Gaillardia Grandiflora Maxima, Mixed. Flowers red, yellow, etc.

***Hollyhock, Extra Choice Double, Mixed Colors.** Many beautiful colors.

Lobelia, Hardy Hybrids, Mixed. Improved types of the Cardinal Flower.

Penstemon, Finest Mixed. Large Foxglove-like flowers of brilliant colors.

***Phlox, Hardy Large-Flowering Hybrids, Mixed.** Heads of large flowers.

Platycodon, Mixed Colors. Compact bushes with bell-shaped flowers.

***Poppy, Hardy Oriental Hybrids, Mixed.** Immense flowers, 6 inches across.

Pyrethrum, Large-Flowering Hybrids, Mixed. Single Daisy-like flowers.

***Scabiosa.** Saucer-shaped flowers, of lovely light blue.

***Sweet Rocket, Mixed Colors.** Fragrant purple or white flowers.

***Sweet William, Large-Flowering, Single, Mixed.** Rich colors.

Statice Latifolia. A fine spring blooming plant.

***English Daisy.** Fine for borders.

Hellotrope, Mixed. For shade and protected places.

***Gypsophila Paniculata.** Excellent cut flower.

Mr. Fred G. Huber, of Altadena, took 1st prize on our Giant Zinnias at the Pasadena Flower Show (Fall 1916).

SWEET PEAS

Culture of Sweet Peas—The early-flowering varieties are planted from the first of August till November, when it is best to commence planting the Grandifloras and Spencers, which can be successfully used up till April. But are best if planted during December, January and February. Thus planted they produce the best flowers. Very fair flowers can be had during summer, however.

SWEET PEAS—Christmas Flowering, Winter or Tournament Flowering Varieties.

Christmas Flowering. Per pkt. 10c.
Angelino, light pink. Oz. 20c; lb. \$2.00.
Christmas Meteor, scarlet crimson. Oz. 25c; lb. \$2.50.
Earliest of All, pink and white. Oz. 15c; lb. \$1.25.
Early Sunbeams, primrose. Oz. 25c; lb. \$2.50.
Le Marquis, navy blue. Oz. 25c; lb. \$2.50.
Mont Blanc, white seeded, pure white. Oz. 15c; lb. \$1.25.
Mrs. Alexander Wallace, pinkish lavender. Oz. 20c; ¼ lb. 50c.
Mrs. C. H. Trotty, best lavender. Oz. 20c; ¼ lb. 50c.
Snowbird, black seeded white. Oz. 15c; lb. \$1.50.
Mixed Early Flowering or Xmas Varieties. Oz. 15c; lb. \$1.50.

New Early Flowering Spencer Peas.

This new class is identical in form of flower to the well known Spencer class and only differs in that it is early flowering, generally about 90 days from seeding. They are exceedingly shy seeders, and price is very high yet. In ordering be sure and mention **Early Flowering Spencer**. All 25c pkt.; oz. \$1.00.

We have made careful selections of all the following varieties since their introduction and everything we offer is fixed and true to name.

Yarrowa, bright rose pink, with light wings.

Blanche Ferry Spencer (New).

Lavender Bicolor, pinkish lavender standard, with white wings.

Lavender Pink, a fine variety with large blossoms.

Mrs. Skach, the finest pink for florists.

Mrs. W. Sim, fine apricot pink.

Red, a large brilliant red.

White Spencer, best pure white, white seeded.

Choice Mixture of all above Spencer E. F. varieties.

ORCHID OR SPENCER AND UNWIN VARIETIES

All Spencers—Pkg. 10c; oz. 25c, except where otherwise noted.

Asta Ohn, light pinkish lavender Spencer. Oz. 25c; lb. \$2.00.

Blanche Ferry Spencer, rose standard, pinkish white wings. Oz. 20c; lb. \$2.00.

Captain of the Blues Spencer, bluish purple, margin of lilac. Oz. 20c; lb. \$2.00.

Countess Spencer, bright pink, our strain, very fine; true. Oz. 25c; lb. \$2.00.

Dainty Spencer. Most beautiful variety. White, edged with pink.

Mrs. Hugh Dickson. One of the most charming and finest of all the pink varieties. Pkt. 10c; oz. 25c.

Dobbies Cream. Fine deep cream.

Edith Taylor Spencer. Deep orange rose. Very large. Oz. 35c.

Etta Dyke. Clear white, with wavy standards.

Elfrida Pearson. Extra large flower of lovely pink. 25c oz.; 10c pkt.

Elsie Herbert. Large creamy white, with pink edge.

E. J. Castle, Unwin-type, rose crimson. Oz. 15c; lb. \$1.50.

Frank Dolby, Unwin type, pure lavender. Oz. 15c; lb. \$1.50.

Flery Cross. A clear flame red or orange scarlet. The highest priced novelty ever put on the market in peas. Pkt. 35c.



A Wild Garden Sown Down With Mixture of Wild Flowers

Gladys Unwin, bright rose pink. Oz. 15c; lb. \$1.50.

Hercules. Probably the largest new deep pink grown. Extra long, stiff stems. Pkt 10c; oz. 35c.

Illuminator. Rich glowing cerise-salmon of vigorous growth and a good bloomer. Oz. 35c; pkt. 10c.

John Ingram, rose crimson Spencer. Oz. 15c; lb. \$1.50.

King Edward Spencer, large bright red. Oz. 25c; lb. \$2.50.

King White. Grand new pure white. Four large wavy flowers born on long stiff stems. Pkt. 15c; oz. 35c.

Lovely Spencer, bright red at base, bluish and white edges. Oz. 20c; lb. \$2.00.

Marie Corelli, brilliant carmine red. Oz. 20c; lb. \$2.00.

Margaret Atlee. Deep salmon overlaid deep pink; best salmon pink to date. Oz. 35c.

Miriam Beaver. Light apricot on buff, a beautiful variety. Oz. 35c.

Mrs. Alfred Watkins, bluish and pink. Oz. 20c; lb. \$2.00.

Mrs. Routzahn, apricot pink Spencer. Oz. 20c; lb. \$2.00.

Margaret Madison. Clear azure blue or clear lavender; best of its shade. Oz. 35c.

Nubian. Chocolate wine or deep wine color. Oz. 35c.

Nora Unwin, pure white. Oz. 20c; lb. \$2.00.

Othello Spencer, large deep maroon.

Primrose Spencer, white seeded primrose. Oz. 20c; lb. \$2.00.

Senator Spencer, ivory white, striped chocolate. Oz. 20c.

Thomas Stevenson. Fine wavy orange scarlet.

Mrs. Townsend. Beautiful clear white, with picotee edge of blue.

White Spencer, pure glistening white. Oz. 20c; lb. \$2.00.

Wedgewood. One of the grandest novelties in clear lavender. Pkt. 10c; oz. 35c.

GRANDIFLORA OR WELL-KNOWN STANDARD VARIETIES

Any of the following Pkt. 5c; 10c oz.; ¼ lb. 30c; lb. \$1.00.

Black Knight, deep maroon.

Blanche Ferry, rose standard, white wings.

Dorothy Eckford, large pure white.

Evelyn Bratt, brilliant orange rose.

Heien Pierce, blue marbled on white very fine.

Henry Eckford, almost pure orange.

King Edward VII, very large brilliant red.

Apple Blossom, crimson, pink and white.

Lady Grisel Hamilton, the best clear lavender.

Lovely, deep pink shading to light pink.

Miss Willmott, large, orange pink.

Navy Blue, indigo blue and violet.

Othello, deep maroon.

Prima Donna, clear distinct pink.

Queen Alexandra, the most brilliant red, almost true scarlet.

SWEET PEAS—MIXTURES

Sweet Pea—Grandiflora. Fancy mixture of all this splendid class of California large flowering varieties. Pkt. 5c; oz. 10c, ½ lb. 50c.

Sweet Peas—Giant Orchid or Spencer. Mixed. This mixture includes all of the later varieties of the ruffled giants in superb blend. Pkt. 10c; oz. 20c; ¼ lb. 50c, postpaid.

CALIFORNIA AND MEXICAN NATIVE FLOWER SEED

Aquilegia Californica "Columbine." One of our best plants for shade; fine for cutting. Pkt. 10c.

Argemone Platyceras. "Thistle Poppy." A very hardy, pretty poppy-like flower growing about 2 feet. Pkt. 5c; oz. 40c.

Baeria (Sunshine) (Actinolepsis, Shortia). A pretty plant. Pkt. 10c.

Bartonia Aurea. "Blazing Star" (Mentzella). One of our prettiest natives. Grows 18 inches to 2 feet. Pkt. 5c; oz. 40c.

Clarkia Elegans. A pretty little annual, growing 12 to 18 inches; quite hardy. Pkt. 5c; oz. 25c.

California Poppy. See Eschscholtzia.

Collinsia Bicolor. "Innocence." One of our most beautiful and curious annuals; delights in rich soil and will stand considerable shade. Pkt. 5c; oz. 40c.

Delphinium Cardinale. "Red Larkspur." or scarlet Larkspur, growing 3 feet to 6 feet; perennial; very beautiful and showy. Pkt. 10c; oz. \$1.50.

Delphinium Parryi. "Blue Larkspur." Grows 2 to 5 feet; hardy, perennial. Pkt. 10c; oz. \$1.00.

Erigeron Conleri. "Mountain White Daisy." A very pretty flower, growing 12 to 18 inches. Pkt. 5c; oz. 40c.

Emmenanthe Penduliflora. "Whispering Bells." One of our prettiest. Pkt. 5c. ½ oz. 25c.

Eschscholtzia. (California Poppy). The popular wild flower known by every one. Pkt. 5c; oz. 20c; lb. \$2.00.

Eschscholtzia. California "Golden West." Large, deep yellow. Improvement on the old wild variety. Pkt. 10c; oz. 25c.

Eschscholtzia. White. Pkt. 5c; oz. 25c.

Eschscholtzia. "New Crimson," which comes good per cent true. Pkt. 10c; oz. 35c.

Eschscholtzia. California Mandarin. Orange, yellow. Pkt. 5c; oz. 25c.

Eschscholtzia. Double orange. This comes fairly true. Pkt. 10c.

Eschscholtzia. Collection of 6 varieties of above, 30c.

Eschscholtzia. Fine mixture of above. Pkt. 10c; oz. 20c.

Flaerica (Limenanthus) Douglasi (Meadow Foam). A beautiful little annual growing 12 to 20 inches. Pkt. 5c.

Fremontia Californica. "Bush Elm." A pretty flowering shrub. Pkt. 10c; oz. 35c.

Gilia Tricolor. "Bird's Eye." One of our most satisfactory wild flowers; easy of culture. Pkt. 5c; oz. 30c.

Godetia Amoena. "Farewell to Spring." Deep rose colored flowers; plants grow one to two feet; flowers are sometimes blotched with crimson. Pkt. 5c; oz. 35c.

Godetia Grandiflora. Delicate pink. Similar to above except in color. Pkt. 5c; oz. 25c.

Heuchera "Alum Root." A very graceful and delicate colored perennial growing about one foot. Pink and white flower. Pkt. 10c.

Hunnemannia Fumariacifolia. "Tree Poppy." One of our most useful and beautiful flowers for cutting, clear lemon yellow (2 ft.) hardy perennial, blooming in about 3½ to 4 months. Pkt. 10c; oz. 40c.

Hypericum Coriarianum. "St. John's Wort." Very useful for cutting, growing 12 to 30 inches. Pkt. 10c.

Layla Glandulosa. "White Daisy." Annual 12 to 18 inches. White Daisy with yellow center. Pkt. 10c.

Layla Elegans. "Tidy Tips" "Yellow Daisy." 10 to 20 inches. Annual, a pretty yellow daisy with cream edging. Pkt. 10c.

Lavatera Assurgentifolia. Shrub of Hibiscus family. Fine hedges. Pkt. 10c.

Leptosyne Maritima (Sea Dahlia). Perennial, blooming early from seed, 2 ft. Pkt. 10c.

Leptosyne Stillmannii (Coreopsis). Single Daisy Dahlia. 2 to 3 ft. Perennial, making a fine cut flower. Pkt. 10c.

Leptosiphon Densiflorus (Calif. Phlox). We have this in white and lavender-rose. Pkt. 10c.

Linnanthus Douglassii. See Flaerkea.
Linaria. Purple Blue, "Toad Flax." A very pretty little plant like snapdragon, 12 to 18 inches. Pkt. 5c; oz. 25c.

Linnanthus. Densiflorus, "Calf Phlox." Pkt. 10c.

Mentzelia Laevicaulis "Blazing Star." See Bartonla.

Mimulus Brevipes "Yellow Monkey Flower." A very hardy, perennial, about 2 ft. Pkt. 10c.

Nemophila Insignis "Baby Blue Eyes." Our finest blue flower, very hardy and blooms very quickly from seed. Fine for sowing as a wild border or among shrubbery. Pkt. 5c; oz. 25c.

Oenothera "Evening Primrose" (Yellow). A fine, showy plant. Pkt. 5c.

Pentstemon Menziesii. Perennial, pretty pink flowers. Pkt. 10c.

Pentstemon. Spectabilis Purple, Rose. Tall growing. Pkt. 10c.

Platystemon Californica "Cream Cups." Annual 3 to 12 inches, cream colored daisy. Pkt. 5c.



Thistle Poppy (Argemone)

Phacelia Grandiflora "Baby Eyes." Pretty bell shaped blue flowers, 1 to 2 ft. Pkt. 10c.

Phacelia Whitflavia "Wild Canterbury Bell." Very similar to above. Pkt. 10c.

Phacelia Parryi "Baby Eyes." All three of these varieties are very pretty. Pkt. 10c.

Romuleya Coulteri. "Matilija Poppy." The famous Tree Poppy, large crepe white flowers with yellow center, often 8 to 10 inches across. Pkt. 10c.

Salvia Carduacea "Thistle Sage." Blue Sage. A queer sage like, early flower, annual. Pkt. 10c.

Viola Pedunculata "Yellow Violet." Growing in large clumps, very profuse bloomer. Pkt. 10c.

WILD FLOWER MIXTURES

California Native Wild Flower Mixture. This includes most of the above species, in fact, all of our natives that thrive as a wild garden collection. Pkt. 10c; oz. 35c; lb. \$3.50. For larger quantities ask for quotations.

California Natives. For shade or partial shade. Pkt. 10c; oz. 40c.

EUCALYPTUS SEEDS

IMPORTANT

We use every care in collecting these seed and give special attention to export orders, but sell them with the distinct understanding that we supply them under the botanical names by which they are known, and that we are not at any time to be held liable for results.

The value of the timber of this tree has been generally recognized all over the world, and already a large export trade from Western Australia and the other states has been established. As hardwood timbers some of the eucalypti have no equal, and possess high quality for resisting the attack of the dreaded Terebo for submarine work. Some of them are so hard that they may be said to be almost indestructible. For street paving they are the best in the world, and when their value is fully recognized, the export of these timbers will become a large one. **Special quotations to large buyers.**

Any of the following species 10c per pkt; 6 pkts. 50c.

Eucalyptus Amygdalina. (Messmate or Almond Leaved Stringy Bark). A first-class timber for flooring boards, joists and other house carpentry like Stringy Bark, but a little larger. Not good for fuel. 100 to 200 feet. Oz. 75c; lb. \$5.00.

E. Amygdalina, Var. Augustifolia. A very ornamental species for landscape uses. Rather dwarf in habit, reaching probably 35 to 50 feet, of a weeping habit, with long quite narrow leaves. Oz. \$1.00.

E. Bicolor. (Black Box). Equal to the best Iron Bark and more easily worked; sometimes called "Iron Bark Box"; 100 to 150 feet. Oz. 80c.

E. Botryoides. (Bastard Mahogany). Medium size tree; bark smooth, best along the coast; fine for underground work, lasting well in the ground. The wood is valuable for cabinet work, having a beautiful mahogany grain. Oz. 80c.

E. Citriodora. (Lemon-scented Gum). A useful timber; delightfully scented leaves. Oz. \$1.50.

E. Corymbosa. (Bloodwood). Very large; timber first-class for posts, piles and the like; extremely durable in the ground; not favorable as sawn timber on account of its gum veins. 150 to 200 feet. Oz. \$1.

E. Calophylla. Ornamental; of rapid growth; white flowers; timber valuable for carpentry above ground. Height 50 feet. Oz. \$1.

E. Cornuta. "Yate Tree." A rapid growing variety, very hardy; wood very durable and very elastic, con-

Wild Garden Mixture. While this mixture is not all native flowers, it is made up especially for our California conditions, and will give a longer duration of flowering season than strictly natives. Pkt. 10c.

Note Culture Directions for Mixtures— First it is advisable to plow or spade plot and thoroughly harrow or rake up. Sow 4 to 6 lbs. per acre and again harrow or rake seed in, and if early growth is wanted is best to thoroughly irrigate before plowing.

SPECIAL OFFER

Our Souvenir Package—Collection of 12 Named Varieties of California Native Wild Flower Seed Each Properly Labeled, 50c.

WILD GARDENING

When it is not possible to give intense culture to spaces that are not now attractive—such as vacant lots, roadsides, rough or hilly situations—we recommend "Wild Gardening." For several years past our customers have shown great interest in this work, and we will be pleased to assist any one interested in this sort of work.

sidered equal to ash. Height 100 feet. Oz. 75c.

E. Corynocalyx. "Sugar Gum." This variety will stand more drought than any other we know of. Very ornamental; rapid growing, highly valued in this vicinity. Timber very durable and used for railroad ties. One of the best. Height 120 feet. Oz. \$1; lb. \$7.00.

E. Creba. "Narrow Leaved Iron Bark." Wood reddish, heavy, elastic and durable. Is ant and teredo proof. Used for railroad ties, bridges and piles. Height 100 feet. Oz. \$1.

E. Diversicolor. "Karri Gum." From the Southwest Australia. A tree of remarkable beauty, perfect shape, rapid growth, and one of the very best for street planting; furnishes good timber for building masts, shafts, spokes, fence rails, etc. Height 300 feet. This tree for coast regions has few equals. Many millions of feet are exported from Australia every year, and hundreds of miles of street are paved with it in England; lasts well underground; one of the best seven varieties for our section. Oz. \$1.50; lb. \$12.00.

E. Flaeifolia. "Scarlet Flowered Gum." The most ornamental of the family. Flowers bright crimson, produced well above the foliage; one of the most effective trees in cultivation. Height 20 feet. 35 seeds, 25c; per 100 seeds, 65c.

E. Globulus. "Tasmanian Blue Gum." Well known; one of the most useful of all and a very rapid grower; planted largely in warm countries on account of its malaria-destroying qualities. Remarkably good for fuel. Height 150 feet. California saved seed Oz. 50c; lb. \$4.00.

E. Gigantea. One of the Giant growers; fine grain, fine timber. Oz. \$1.

E. Gonolocalyx. "New South Wales Blue Gum." Wood very durable, hardy and tough; much used in its native country by wheelwrights. A rapid grower. Height 200 feet. Oz. \$1.

E. Gunnii. "Tasmanian Cider Gum." One of the hardest gums; sometimes found along snow line; attains the height of about 150 feet. Its flowers are white. Oz. \$1.

E. Hemphillia. "Common Box." Hard but useful timber; strong, tough and durable, but not good in the ground; first-class fuel for domestic use and steam purposes. Height 100 to 150 feet. Oz. 75c.

E. Leucosylon. "Iron Bark of Victoria." Timber possessed of great strength and great durability; exceedingly hard; largely used for underground work. Oz. 75c.

E. Longfolia. "Woollybutt." Fair timber for fencing and building purposes; good fuel. Very durable, erect and tall. Is said to be less liable to the attack of the white ant than any other gum. Height 100 to 200 feet. Oz. \$50c.

E. Maculata. "Spotted Gum." A handsome tree, straight growth to 100 ft., 6 ft. diameter. Used for building, R. R. sleepers, wheelwrights work, etc. Oz. \$1; lb. \$3.

E. Meliodora. "Black Ironbark." Of spreading growth, with a comparatively stout stem, and makes excellent fuel. The young trees are largely used for telegraph poles, and the flowers are much sought by bees. One of the strongest and most durable timbers in the world. Height 120 feet. Oz. \$1.25.

E. Obliqua. "Stringy Bark." A quick grower and produces the best wood for flooring, scanting and shingles. Inferior as fuel, but makes the best charcoal for the forge. Height 300 feet. Oz. 75c.

E. Paniculata. "White Ironbark." Wood hard and durable, excellent for railroad ties. Also much used for building purposes, easily worked, and grows well and is lasting underground. Height 150 feet. Oz. 75c.

E. Pilularis. "Black Butt." Of rapid growth. One of the best timber yielding species, much used for flooring boards, railroad ties and telegraph poles. Height 300 feet. Oz. \$1.

E. Piperita. "Peppermint Gum." Timber valuable for shingles, fence rails, etc. Yields a greater quantity of oil than many other variety, and is of remarkably quick growth. Height 300 feet. Oz. \$1.

E. Punctata. "Leather Jacket." Tree medium size—back rough and flakes off. The wood is tough, hard and close grained. It is very durable as posts and ties—also good fuel.

Thrives fine in interior valleys. Especially Riverside County. Oz. 75c.

E. Polyanthema. "Australian Beech." The timber is much used for mining purposes, and for all underground work, being remarkably hard and durable. Also an excellent fuel, flowers good for bees. Height 150 feet. Oz. 75c; lb. \$5.00.

E. Rudis var. "Fresno" (or Desert Gum). One of the varieties that has succeeded remarkably well in the desert region, standing heat and cold very well. \$1 per oz.

E. Rudis. Var. "Los Angeles." This is a variety with lanceolate leaves much more narrow than the above, and we believe a more hardy variety, as it has no tendency to develop the disease known as "Frizzles" as the Fresno variety does. Very similar to the black seeded *E. Rostrata*. A rapid grower. Oz. 75c.

E. Regnans. "Forest Mahogany." A superior timber of large size, prized for its strength and durability. Fine for interior house work. Height 200 feet. Timber is among the most valuable of all the species, equaling or even surpassing Mexican mahogany, as it is much harder and less subject to marring. Oz. \$1.00.

E. Robusta. "Swamp Mahogany." Thrives best on low ground, especially near the sea coast. A remarkably healthy, robust variety. Height 150 feet. Oz. 60c; lb. \$6.00.

E. Rostrata. "Red Gum." Well known and highly esteemed in this section. The timber is unsurpassed for durability, and is used for railroad ties, street pavements, ship building, etc. Height 200 feet. Oz. 40c; lb. \$4.00.

E. Saligna. "Weeping Gum." Very ornamental. Leaves and general habit are like the "Babylonian Willow." Good for fuel. Height 75 feet. Oz. \$1.

E. Siderophloia. "Dark or Broad-leaved Ironbark." Wood very hard, light colored and heavy, of great strength and durability, and is used for railroad ties, spokes, shingles, bridges, jetties, etc. It is stronger than hickory. As fuel it gives more heat than any other kind. Height 200 feet. Oz. \$1.00.

E. Sideroxylon. "Red Iron Bark." Medium sized tree usually erect. Bark hard and black, wood hard and heavy and very dense, sinks in water. Tree endures great heat and drought.

E. Sieberiana. "Gum Top." Wood of excellent quality, strong and elastic, and may be used for all purposes where hickory or ash are at present used. It splits easily and is soft to work. Also a most excellent fuel. Height 150 feet. Oz. \$1.

E. Stuartiana. "Apple-scented Gum." A medium-sized tree, with drooping branches. Will thrive on any soil. Wood very dark and handsome, and takes a good polish. Useful for cabinet work. Height 100 feet. Oz. 65c.

E. Tereticornis. "Gray Gum." A very handsome, large-growing variety. Wood durable and useful for shingles, flooring, etc. Also an excellent fuel. Height 200 feet. Oz. 60c; lb. \$5.00.

E. Viminalis. "Manna Gum." A hardy rapid-growing variety, and well suited for exposed situations. On rich soils it grows to a gigantic size. The wood may be used for ordinary building purposes; also for fuel. The young bark and leaves yield the Australian Manna. Height 300 feet. Oz. 50c.

Angophora Cordiflora (Queensland). (Australia). This is one of the best of the species, attaining large size and grows with the rapidity of the Eucalyptus. The growth is more close and foliage more dense; good for street or meadow for shade. Pkt. 10c; ½ oz. 40c.

MISCELLANEOUS TREE AND SHRUB SEEDS

All seeds quoted at less than 50c per oz. we will supply at 10c per pkt.; those quoted at 50c and upwards at 15c per pkt.

Acacia Armata. "Prickley Acacia." Much used for hedges; good for the sea coast. Height 15 feet; ounce 40c; lb. \$4.

Acacia Baileyana. The well known Cootanundra Silver Wattle. A handsome tree with glaucous green foliage; one of the most beautiful of the Acacia and highly recommended for street planting. Height 25 feet. Oz. 35c; lb. \$3.00.

Acacia Cultriformis. "Knife-leaved" Acacia. A distinct and beautiful species of shrub with glaucous green leaves about ¾ x ½ inch in size. When in bloom the plant presents a splendid appearance on the lawn. Height 15 feet; oz. 50c; lb. \$5.

Acacia Dealbata. "Silver Wattle." Very ornamental. Height 30 feet; oz. 40c; lb. \$4.

Acacia Elata. A most rapid growing tree with yellow flowers, tree attaining a height of 60 feet; very ornamental and fine form, wood useful for furniture and cabinet work. Oz. 30c; lb. \$3.50.

Acacia Decurrens. Green or Black Wattle. A medium sized tree of rapid growth. Very useful for wind-break. Also very rich in tannin; wood is valuable for fuel and for turners' and coopers' work. Height 40 feet; oz. 35c; lb. \$3.50.

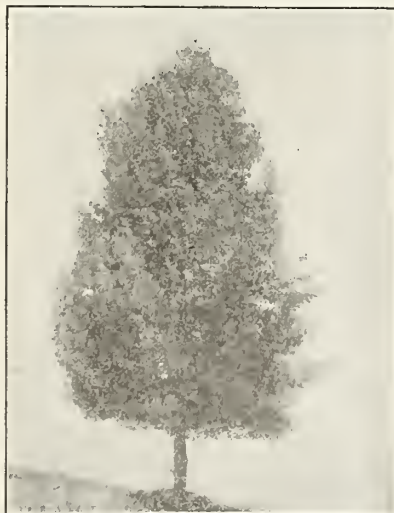
Acacia Floribunda. Ornamental with very abundant handsome flowers; valuable for lawns, parks, cemeteries, etc. Height 25 feet; oz. 35c; lb. \$3.00.

Acacia Latifolia. A handsome shade tree, succeeding especially well near the sea coast. Leaves broad, yellow

flowers. Native of South Africa. Height 10 feet; oz. 35c; lb. \$3.00.

Acacia Linifolia. Flax leaved. An ornamental shrub with yellow flowers growing in heads two to four together. Height 8 feet; pkt. 15c.

Acacia Lophanta. Abizzia Lophanta. Cape or Crested Wattle. One of the most rapid growing trees for first temporary shelter, succeeding in the most desolate places. Height 45 feet; oz. 15c; lb. \$1.25.



Acacia Melanoxylon

Acacia Melanoxylon. "Blackwood." In sheltered irrigated glens, this tree will reach a height of 80 to 100 feet, with the trunks several feet in diameter. The timber is very valuable for cabinet makers' work. Oz. 25c; lb. \$2.50.

Acacia Molliissima. An abundant blooming tree; very ornamental, suitable for lawns or shrubbery. Height 25 feet; oz. 40c; lb. \$4.

Acacia Podalyrifolia (New). One of the fine new varieties for first time offered in seed here. Specimen plants in Pasadena have caused a big demand for the seed. Tree of striking blue color, medium size. Pkt. 20c.

Acacia Prenanthes. "Golden Wattle." Of rapid growth doing especially well near the sea coast, and containing quantity of tannin. Height 40 feet; oz. 30c; lb. \$3.

Acacia Saligna. A small tree of weeping habit, very ornamental. Height 25 feet to 30 feet; oz. 40c; lb. \$4.

Acacia Myrtifolia. A beautiful small growing tree with myrtle leaves. Pkt. 25c.

Acacia Pinifolia. A small growing tree of spreading habit. Fine pin-like leaves. Pkt. 25c.

Acacia Verticillata. One of the finest varieties of the whole list. Very small foliage. Rare. Pkt. 25c.

ACACIA CUERNE DE VACA (Cow's Horn)

A curiosity from Mexico. A plant sent us by Mr. John Spence and presented to Mr. Huntington is probably the first plant to be grown in California. The tree is virtually a mass of great horns, forming in pairs, which never shed off, some measuring 7 to 8 inches across the pair. The most curious novelty we have seen in thorny plants. The gen-

eral appearance of the plant and flower is strikingly like *Acacia Farnesiana*, says Mr. Spence, and is found growing in its wild state among them. Pkt. 15c.

Buxus sempervirens. "Evergreen Box." A hardy, compact growing evergreen of dwarf habit. Height 8 feet. Per oz. 20c; lb. \$2.

Bauhinia Aculeata. A fine flowering tree from Mexico. Of branching habit; hardy in most places. Very showy in bloom. Pkt. 25c.

Brachychiton Acerifolium. "Flame Tree" of fine sturdy pyramidal growth with large handsome foliage, producing masses of scarlet flowers. Height 45 feet. Oz. 30c; lb. \$3.00.

Buddleia-Variabilis, a very rank, strong growing shrub, of semi-climbing nature. Very showy, lilac colored plant. Pkt. 10c.

Callistemons. Bottle Bush. Are mostly small, bushy-like woody shrubs, with beautiful "Bottle Brush" like flowers closely related to *Melaleuca* and both are highly recommended for California gardens. We have made up a fine mixture of 8 varieties all useful flowering varieties. Pkt. 10c.

Camphora Officinalis. Camphor tree. A tree from which the camphor is distilled; well known in California. Oz. 25c; lb. \$2.

Cassia Artemesia. A glaucous blue shrub, of same character as *Grevillea Thelemania*. Fine for hedging or bordering groups. Pkt. 15c.

Casuarina Equisetifolia. "Beefwood." Wood very durable for underground piles and jetties. Height 150 feet; oz. 75c.

Casuarina Quadrivalvis. "Coast She Oak." Very valuable for sea coast culture to prevent inroads of sea upon sand hills; of quick growth. Wood valuable for shingles, etc. Height 60 feet. Oz. 75c.

Casuarina Suberosa. "Erect She Oak." A beautiful shade tree; valuable for fuel. Height 60 feet. Oz. 75c.

Cedrus deodara. "Himalayan Cedar." A noble and beautiful evergreen of pyramidal form, foliage bluish green, graceful and drooping. One of the finest trees on the Pacific Coast. Oz. 50c; lb. \$5.

Cedrus libani. "Cedar of Lebanon." A most beautiful evergreen for lawn decoration. Oz. 50c; lb. \$5.

Ceratonia siliqua. "St. John's Bread." The Carob or Locust Tree of Scripture, with yellow flowers and edible saccharine pods, which are very fattening. Height 30 feet. Oz. 15c; lb. \$1.50.

Clianthus Puniceus. Glory Pea of Australia." A sort of trailing shrub. Pkt. 20c.

Chorizema Hicifolium. A small shrub, with holly-like foliage and in early summer covered with orange scarlet colored flowers which make beautiful bouquets. Pkt. 10c.

Coprosma Baueri. A shrub grown 5 to 10 ft. with thick shiny leaves, being so glossy that they appear to be varnished. Pkt. 15c.

Cork Oak. An evergreen Oak resembling Live Oak of our mountains, grows very large and rapidly. Acorns should be planted early in Winter or Spring. Lb. 50c; ¼ lb. 25c, postpaid.

Coronilla Glauea. An elegant small shrub of the pea family; of silver colored foliage. Pkt. 25c.

Cotoneaster Augustifolia (C. Buxifolia and C. Vulgaris). All quite similar; of low growing character. Are sort of a trailing evergreen bush, of Box Wood character. Fine for edging or rockery. Pkt. each 25c.

Cotoneaster Buxifolia. Small evergreen shrub—and during fall and winter completely covered with red berries; very ornamental. Pkt. 10c.

Cotoneaster Horizontalis. A decumbent shrub, never growing very tall, but

trails over ground or rocks; very useful for covering banks, rock-work, etc. During fall and winter is covered with red berries. Pkt. 10c.

Crataegus Pyracantha. "Evergreen Thorn" or burning bush. Very ornamental shrub; perfectly hardy. Pkt. 10c.

Cryptomeria elegans. "Fine-leaved Japan Cedar." Foliage glaucous green, resembling a feathery *Araucaria*, which in winter turns to reddish brown. Height 50 feet. Oz. 50c.

Cryptomeria japonica. "Japan Cedar." A splendid conifer, for isolated situations on lawns. Height 75 feet. Oz. 30c; lb. \$3.

Cupressus Goveniana. "Goven's Dwarf Cypress." A native variety from the Coast range around Santa Cruz. Very ornamental. Height 30 feet. Oz. 50c.

Cyphomandra Betacea (*Solanum Betaceum*). Tree Tomato. A semi-tender small tree, with egg shaped fruit with tomato flavor. To save confusion, order by botanical name—as there are other Tree Tomatoes. Pkt. 10c.

Cypress Arizona. Blue Cypress of Arizona, very similar to *Guadalupensis*, of a fine blue cast to the foliage. It is hardy as any variety grown and highly recommended. Has an upright dense growth. Oz. 40c; pkt. 10c.

Cypress Lawsoniana. "Lawson's Cypress." A native variety found in northern California and Oregon. Wood white, fragrant and close grained. Generally known as Oregon or White Cedar. Height 100 feet. Oz. 35c.



Acacia Saligna

Cypress Macrocarpa. "Monterey Cypress." Too well known to need description. Useful for hedges and windbreaks. Height 80 feet. Oz. 15c.

Cypress sempervirens. "Italian Cypress." A European variety, very long lived and the wood of which is almost imperishable. Height 70 feet. Oz. 20c.

Cytisus Laburnum "Golden Chain." Shrub, 8 to 10 ft., which produces in great profusion long canes of yellow flowers. Pkt. 10c.

Daubintonia Grandiflora (*Sesbania*). Red flowered *Acacia*, or red flowered locust. A very striking shrub or small tree, blooming very early from seed, often coming into flower the first year and thereafter a very free bloomer, almost ever-blooming. A very satisfactory plant. Pkt. 10c.

Dendromecon Rigidum "Tree Poppy." (Native shrub). Growing 4 to 8 ft. and blooming in early spring with quantities of yellow poppy-like flow-

ers. Seed germinates very slowly and should be scalded and soaked in hot water. Pkt. 10c.

Duranta Plumieri. Shrub 6 to 10 ft.; very hardy and ornamental; covered in fall and winter with yellow berries. Pkt. 10c.

Erythrina Crista Gaili "Coral Tree." A small half-tender tree, blooming in terminal clusters of coral red flowers; very striking. Pkt. 25c.

RUBBER TREES—(*Ficus*)

Culture. These trees can be readily raised from seed by planting in shady beds and kept constantly damp.

F. Macrophylla. "Moreton Bay Fig." Magnificent ornamental shade tree, with large bright glossy green leaves. Per oz. \$1.

Ficus Australis. "Australian Banyan Tree." A fine evergreen tree; very use for shade, and shelter purposes. This and the following variety are hardy in the neighborhood of Los Angeles, but in districts experiencing sharp frosts, they should be sheltered until they are four years old and well established. Per oz. \$1.

Genista Canariensis. Canary Island Broom. A fine yellow flowered shrub. Pkt. 25c.

Genista Monospernia. (Bridal Veil). A new flowering broom and when in flower is a grand sight, being a mass of white. Pkt. 15c.

Genista Andraena. The Crimson and Gold Broom. A charming new variety of the Broom family, forming a handsome bush. The wings of each flower are rich crimson, the contrast being most effective and pleasing. A good proportion of the seedlings come true. Pkt. 15c.

Grevillea Robusta. "Silky Oak or Australian Fern Tree." A well known shade tree with fern-like foliage and orange flowers; of rapid growth. Oz. 50c; lb. \$6.

Jacaranda mimosaeifolia. "Brazilian Jacaranda." A handsome tree with fern-like foliage, and magnificent clusters of light blue flowers. In pods containing from 30 to 40 seeds. Per pod 5c.

Juniperus virginiana. "Red Cedar." A well-known American tree. Height 50 feet. Oz. 15c; lb. \$1.50.

Libocedrus decurrens. "California Red Cedar." A very handsome tree, native of the Coast range from San Diego to Oregon. Some fine specimens may be seen in Santa Barbara. Height 100 feet. Oz. 40c; lb. \$4.00.

Lagunaria Patersoui. A large tree, blooming in spring; large lavender-pink flowers, closely related to the *Rignonia*. Pkt. 10c.

Leonotis Leonurus "Lion's Tail." Shrub 3 to 5 ft., blooming greater part of year. Long spikes of orange yellow flowers. Pkt. 10c.

Leptospermum Laevigatum. Small tree of Sweet Myrtle appearance, very hardy, fine for screening off beds, etc. Can be treated as shrub or trimmed to standard. Pkt. 10c.

Ligustrum japonicum. "Japan Privet." One of the best hedge plants. Oz. 15c; lb. \$1.50.

Ligustrum. Communis, Common Privet. Largely grown as a hedge; plant very hardy and of quick growth. Pkt. 10c; oz. 15c; lb. \$1.25.

Lavatera Assurgentiflora. Native of San Clemente Island. It forms a spreading shrub and is especially valuable for planting on sand dunes and banks to hold the soil, also used for planting in chicken yards for temporary shade. Flowers deep lake red. Pkt. 15c; oz. 50c.

Lonicera Tatarica. Tree Honeysuckle. A fine shrub. Pkt. 25c.

Magnolia grandiflora. "Large flowering Magnolia." A native of the Southern states, where its presence indicates good soil. Height 100 feet. Oz. 25c; lb. \$2.50.

Melaleuca. One of the commonly called Bottle Bushes and closely related to Callistemons, which see. Fine dwarf varieties. Mixed, pkt. 10c.

Metrosideros-Tomentosus. Shrub 8 to 10 ft., with deep crimson flowers. Pkt. 10c.

Melaleuca Leucadendron "Silver Bark." Bottle Tree, 20 to 30 ft. with white bark, in thick layers. Very ornamental. Pkt. 10c.

Parkinsonia Aculeata. A very thorny small tree, very attractive as lawn specimen; native of No. Mexico; very hardy. Pkt. 10c.

Photia Arbutifolia. California Holly. Pkt. 25c.

Pinus canariensis. "Canary Island Pine." Very robust and healthy, with bright green foliage. Grows nearly as fast as the "Monterey Pine." Height 100 feet. Oz. 35c; lb. \$3.50.

Pinus Conitifer (Macrocarpa). "Big Cone Pine." A fine native tree, of very robust growth, with bluish gray leaves a foot in length. Has the largest cone of all pines. Height 100 feet. Oz. 40c; lb. \$4.

Pinus Insignis. "Monterey Pine." Has very rapid growth and succeeds well in any kind of soil. Height 100 feet. Oz. 25c; lb. \$2.50.

Pinus maritima. "Seaside Pine." Well adapted for planting near the sea. Oz. 15c; lb. \$1.50.

Pinus strobus. "Weymouth or White Pine." A stately, straight and valuable tree. Height 100 feet. Oz. 40c; lb. \$4.

Pinus ponderosa. "Yellow Pine." A native variety found in the Coast range at a high altitude. An immense tree, specimens having been found 300 feet high and 15 feet in diameter. The bark is very thick and of a red brown color. Height 250 feet. Oz. 30c; lb. \$2.

Pinus Torreyana. One of the most beautiful of our native pines. A fine specimen may be seen in cultivation in the Hotel Green grounds at Pasadena. Height 50 feet. Oz. 40c; lb. \$4.

Pittosporum Tobira. Shrub, seldom over 8 to 10 ft. of dark silver green foliage. Pkt. 10c.

Pittosporum Rhombifolium. One of the finest of the class. 12 to 20 ft. Pkt. 10c.

Pittosporum Crassifolia. Small tree, 12 to 20 ft. Pkt. 10c.

Pittosporum Undulatum. One of the most common of the class; very ornamental and satisfactory as specimen for lawn or as small street tree.

Dark shiny green leaves, and in fall covered with berries. Pkt. 10c.

Spanish Broom. See Spartium.

Spartium Junceum "Spanish Broom." Shrub 8 to 10 ft. and in early spring covered with yellow pea-like flowers; very hardy. Pkt. 10c.

Spartium Scoparium "Scotch Broom." Hardy shrub, 8 to 10 ft.; in spring covered with large yellow flowers. Pkt. 10c.

Schinus molle. "Mexican Pepper Tree." A well-known handsome shade tree, with light feathery foliage, and bright scarlet berries. Height 50 feet. Oz. 10c; lb. \$1.

Schinus Terebinthefolia (New). A new variety of the Pepper Tree. Very ornamental, with striking large clusters of red berries. More ornamental than the old variety. Pkt. 15c; oz. 30c.

Sequoia gigantea. "California Big Tree." The biggest of all trees, and probably the most long lived. Specimens are often found 400 feet high. Oz. 75c; lb. \$7.50.

Sequoia sempervirens. "California Redwood." Well known. Wood reddish, soft, close grained, easily split, light and brittle, but very durable. It luxuriates in the cool dampness of sea fogs. Height 300 feet. Oz. 50c; lb. \$5.

Sterculia Diversifolia. Brachychiton Populaneum). A handsome tree of erect symmetrical growth with a heavy trunk. The leaves very curious in shape, some being poplar like, others ivy shape, and others slightly or deeply cut. This is without doubt the finest tree for street planting for Southern California. Oz. 50c; lb. \$2.50.

Thuja aurea semper-aurea. "Ever Golden Arbor Vitae." Dwarf habit and free growth. Retains its golden color the year round. One of the prettiest dwarf evergreens. Height 4 feet. Oz. 40c; lb. \$4.

Thuja occidentalis. "American Arbor Vitae" or "White Cedar." A common and well-known tree. Native of the Atlantic states. Height 50 feet. Oz. 30c.

Thuja orientalis. "Chinese Arbor Vitae." A small elegant tree, peculiar for its flattened branches, which are dense and light green in color. Oz. 25c.

Viburnum tinus. "Laurustinus." One of the finest winter flowering shrubs, blooming abundantly during the winter. Also a valuable hedge plant. Oz. 15c.

Wigandia (Fine Mixed). These are exceptionally large leaf ornamental plants growing from 10 to 15 feet high of very tropical appearance. The foliage is large and serrated. Flowers in terminal clusters of light blue. Pkt. 10c.

Wisteria Chinensis "Chinese Wisteria." Known to everyone; easily grown from seed, but are slow to bloom. Pkt. 10c.



Washingtonia Robusta

ber claims. Flowers white and purple. Height 50 feet. Oz. 15c; lb. \$1.50.

Gleditsia triacanthos. "Three Thorned or Honey Locust." Hardy and rapid growth. Will form an impenetrable hedge. Seeds should be soaked in boiling water before sowing. Oz. 10c; lb. 50c.

Lagerstroemia indica. "Crape Myrtle." A favorite tree in this vicinity; bearing rose colored flowers in great profusion. Pkt. 15c.

Spiraea Sobaria. (New). Beautiful and showy blooming plant, growing to 12 feet, closely allied to Bridal Wreath. Pkt. 25c.

Tamarax Gallica. A great tree for growing on salt land, or close to sea coast. Pkt. 10c; oz. 20c.

Melia Azederach Speciosa. "True Texas Umbrella Tree." A very rapid grower, with long pinnate leaves, and wood of a reddish color, resembling ash, durable and makes excellent fuel. Thrives in dry soil. Valuable for avenue planting. Height 40 feet. Oz. 10c; lb. 75c.

Robinia Pseudo-Acacia. Yellow or black Locust. Well known in this section. Valuable for fuel and timber. One of the best trees with which to plant timber claims. Height 60 feet. Oz. 10c; lb. 85c.

FRUIT, NUT AND BERRY SEEDS

Walnuts. All the finest grades at market prices.

Plum, Peach, Almond and Apricots quoted on application.

Apple Seed. Should be planted during early fall for best results. Lb. \$1.00.

Logan. During March and April, only. Lb. 50c.

Fresh Orange Seed. January to May. Price on application.

Mulberry Cedrona. A fine new variety from Europe. Pkt. 25c.

Mulberry Nigra. Black. Pkt. 25c.

M. Tartarica. Large fruited, imported seed. Pkt. 25c.

Guava Strawberry. (Psidium Cattleianum). Sow in boxes and transplant when 2 inches high to pots. Pkt. 10c; oz. 30c; lb. \$3.

Guava Yellow. A variety of the above with yellow fruit. Oz. 50c; lb. \$5.

Raspberry. Finest sorts, mixed. Pkt. 10c; oz. 40c.



Jacaranda Mimosaeifolia

DECIDUOUS TREE AND SHRUB SEEDS

All those varieties quoted at less than 50c per oz. we supply at 10c per pkt.

All those quoted at 50c and upwards, we supply at 15c per pkt.

Arizona Ash. (Fraxinus Velutina). A deciduous tree of great value for street and forest culture, making a very rapid growth—almost equal to the eucalyptus for rapidity of growth—no better tree grown for hot interior valleys. Plant seed in beds—or rows in early spring and transplant following spring. Pkt. 10c; ¼ lb. 50c; lb. \$1.75.

Catalpa speciosa. "Indian Bean Tree." A rapid-growing tree, good for tim-

PALM AND OTHER DECORATIVE PLANT SEEDS

Chamaecrops excelsa. "Hardy Fan Palm." This palm grows to the height of from 20 to 30 feet; leaves fan-shaped; trunk enclosed by dense mass of rough fibres. Native of the East Indies. Oz. 10c; lb. \$1.

Chamaecrops humilis. "Dwarf Fan Palm." An extremely handsome plant. Native of Southern Europe. Oz. 20c; lb. \$2.

Cocos. An elegant genus of a noble order, many species of which grow to majestic proportions.

Cocos australis. "Brazilian Palm." One of the hardiest of all palms, harder than even the Date Palm; withstanding, unprotected, a cold at which oranges or lemons are injured or destroyed. Per 15 seeds 10c; 100, 50c.

Cocos Campestris. A hardy, handsome variety, well suited for open air planting; is one of the most desirable of pinnate-leaved palms. Per 10 seeds 25c; 100 \$2.

Cocos plumosa. This species attains considerable size, rising upon a stout straight column-like stem some 40 or more feet. Fine, drooping bunches of waxy flowers, which are succeeded by quantities of orange-colored nuts enclosed in an edible pulp; in size about as large as a chestnut. Leaves pinnate. Native of Brazil; does well out of doors in this climate. Per 10 seeds 20c; per 100 \$1.50.

Corypha australis (Livingstonia australis). A stately Fan Palm with slender trunk, from East Australia.

Hardy in Southern California; several fine specimens may be seen in Los Angeles. Per 10 seeds 20c; 100 seeds \$1.50.

Erythea edulis (Brahea edulis). A fine growing variety from the Guadalupe Islands. Fan-shaped leaves, bright green. Hardy. Per 10 seeds 15c; per 100 75c.

Phoenix Canariensis. An elegant and most hardy variety of the date palm, much used around Los Angeles for lawns. Very handsome and durable. 10 seeds 10c; per 100 50c.

Phoenix dactylifera. The Date Palm; is an erect, handsome palm. Native of Northern Africa and Tropical Asia, where the palm attains a height of 80 feet. Lives to a great age, and yields the date fruit of commerce; hardy. Oz. 10c; lb. \$1.00.

Phoenix reclinata. A very fine, large-growing species; leaves pinnate. Largely used in Nice, Cannes, and in the south of France for avenues; also the best for that purpose here, as it will stand severe frosts. A native of the Cape of Good Hope. 10 seeds 15c; per 100 \$1.

Phoenix Cycadifolia. One of the finest of the dates. Imported seeds. Pkt. 25c; \$1 for 100 seeds.

Scaforthia elegans. One of the most beautiful of the palm family, and one of the finest subjects in cultivation for the conservatory, greenhouse or subtropical garden. Height 20 feet. Leaves from 2 to 10 feet in

length, dark green. It stands quite a low temperature. Native of New South Wales. 10 seeds 15c; per 100 50c.

Washingtonia filifera. The well-known California Fan Palm, which also goes under the names of Pritchardia filamentosa and Brahea filamentosa; very hardy. Per oz. 10c; per lb. \$1.

Washingtonia robusta. A robust Fan Palm, similar to Washingtonia filifera, but much finer and darker green leaves, without threads. Per oz. 20c; per lb. \$1.50.

Dracaena australis. (Cordylina). A palm-like tree growing to a considerable height; the stem is stout, leaves from 2 to 3 feet in length, oblong, lanceolate, and bright green; splendid for avenues. Native of New Zealand. Per pkt. 15c; per oz. 75c.

Dracaena Indivisa. (Cordylina indivisa.) Sometimes called Dracaena stricta. A most graceful palm-like tree, suitable for decoration either in or out of doors. Fine for avenues. Native of New Zealand. Per oz. 35c; per lb. \$3.50.

Musa ensete. "Abyssinian Banana." Native of the mountain regions above Abyssinia. This magnificent plant attains a height of 30 feet. The leaves occasionally reaching the size of 20 feet in length, by three feet in breadth. 10 seeds 15c.

Musa Marteni. A new very ornamental Banana from Africa. Highly recommended. 10 seeds 10c.

Hardy Evergreen Trees and Shrubs

IMPORTANT

Quotations are at Store, Los Angeles.
Postage or Express Extra
No Plants Sent Out C. O. D.

OUR TERMS Are Strictly Cash With Order

HOW TO ORDER. Write your name, postoffice, state and express office plainly on every order and every time you write to us. Give plain shipping directions; where none are given us we use our best judgment, but it must be at the customer's expense and risk.

Use one line for each kind ordered.

Acacia Cultriformis. Foliage of this variety is triangular in form; color beautiful sea-green; profuse in bloom; of medium-sized growth. A most lovely variety. 35c each.

Acacia Saligna. A small tree of weeping habit, with deep golden yellow flowers. 3 to 4 ft., 50c.

Acacia Melanoxylon (Blackwood Tree). A strong upright growing tree. Very desirable for parks and street ornamentation. 2 to 3 feet, 35c each; \$2 per 10; 3 to 4 feet, 40c each; \$3.50 per 10; 6 to 7 feet, 75c each; \$6 per 10.

Acacia Mollissima. A fine erect-growing tree, with glaucous green, feathery foliage; flowers yellow, produced in early spring in great profusion. A rapid-growing tree. 2 to 2½ feet, 35c each; 3 to 4 feet, 60c each.

Acacia Retinoides Florabunda. Pendulous habit; sea-green foliage; very floriferous and sweet perfumed. 2½ to 3 feet, 35c each; \$3 per 10; 4 feet, 50c each; 6 feet, 75c each.

Araucaria Bidwelli. Branches in regular whorls; closely set with spiny, shining, deep-green leaves. Very handsome for the lawn. Thrives well

here. 4-inch pots, 75c each; balled, 1½ feet, \$2 each; balled 2½ feet, \$3.50 each.

ABELIA

Abelia Grandiflora. A garden hybrid. Free-flowering shrub with small, opposite, glossy green leaves. Flowers are tubular, almost an inch long, white flushed lilac pink. The large, ruddy sepals remain after the flowers fall, adding to the showy effect. Blooms profusely and continuously all summer. A very fine shrub. 35c each.

Araucaria Excelsa (Norfolk Island Pine). One of the handsomest of all trees; pyramidal in form and very symmetrical; hardy in protected locations. Excellent for parlor decorations. \$1 to \$5, according to size.

Arbor Vitae, Golden. A very choice shrub. It is of a low, compact growth; foliage beautiful golden-yellow. For lawn adornment it is unsurpassed, the yellow foliage contrasting to perfection with the green lawn. Balled, 1 foot, 50c each; 2 feet, \$1 each.

Broom, Spanish. An upright growing shrub. Flowers yellow, producing very freely in the spring and summer. Pot grown, 2 to 3 feet. 30c each.

Buxus sempervirens. Boxwood. Europe, Africa and Asia. (S) 5-10 ft. Handsome shrub of dense, compact growth. Leaves quite small, deep green. Used for low, formal hedges. Also trained into various artificial forms such as round-headed standards, pyramids, globes, etc. Can be kept at any size and trimmed into any shape. 3 to 4 inches 10c; 8 to 10 inches 20c each.

B. japonica. Japanese-Box. (S) 6 ft. A handsome species characterized by its very glossy foliage, which has a pleasing, light green shade. Leaves usually notched at the tip. Makes an excellent hedge, as it is of very even and comparatively rapid growth, hence easily kept in shape. 3 to 4 inches 10c each; \$8.00 per 100.

California Live Oak (Quercus agrifolia). A familiar sight in our California landscapes, which adds so much to its beauty. Pots, 2 to 3 feet, 50c each.



A Harmonious Blending of Plants and Trees

California Redwood. 4-inch pots, 30c each; balled, 1½ feet, 60 each.

Camphor Tree. A fast-growing, very symmetrical, ornamental tree, thriving in the very poorest soil. A native of Japan. Bright green foliage; well adapted for lawn purposes. 4-inch pots, 2 feet, 40c each; 3 feet, 60c each.

Casuarina, Beef Wood Tree of Australia. The picture of the Casuarina gives us a good idea of the habit of this beautiful tree. It is eminently adapted for forest planting in California. We particularly commend this tree for this purpose. The Casuarinas are of rapid growth and suit themselves alike to the cold, bleak winds of the ocean or the hot interior valleys. As an ornamental tree, we consider the Casuarina as one of our best evergreen trees. We offer the following varieties. **Equisetifolia**, 5-inch pots, 35c each. **Stricta**, balled, 3 to 4 feet, 35c each. **Suberosa**, 4-inch pots, 35c each.

Ceratonia siliqua. Carob, St. John's Bread Mediterranean region. (T) 40 ft. Although of great economic value on account of its edible pods, this splendid tree is also one of the handsomest ornamentals adapted to our climate. It is of regular growth with spreading branches forming a rounded head. Leaves are pinnate, with large, leathery, deep green, glossy leaflets. Very resistant to drought and not inclined to become dusty. 1 to 2 ft., 35c.

Choisya ternata. Mexican Orange. (S) 8 ft. Compact shrub of rather slow growth. Leaves light green, divided into three leaflets; fragrant when crushed. Bears a profusion of white, very fragrant flowers in broad clusters. 50c each.

Coprosma baueri. New Zealand. (S) Low-growing shrub, or can be trained up as a low climber. Leaves are rounded, green and wonderfully glossy, exceeding any plant we know of in this respect—dust will not stick to them. Flowers are inconspicuous, but followed by clusters of showy, yellow berries.

Crape Myrtle (Crimson and White). Words fail to convey an adequate idea of the beauty of this shrub. They succeed best in a warm section and blossom for a long period; the flowers have curiously crumpled petals. 3 feet, 50c to 75c each.

Cryptomeria Japonica. The Cryptomeria thrives best in a dry, hot climate; therefore it is just the tree for this State. It is of rapid growth, and is very ornamental as a young tree. 3-inch pots, 20c each; 4-inch pots, 50c each; \$4 per 10.

Cypress, Lawson. This California species has great beauty. It is of rather an upright growth; the branches droop gracefully, and the foliage is of a lovely sea-green color. 4-inch pots, 50c each; galled, 1 to 3 feet, 60c each! \$5 per 10.

Cypress, Monterey. A native of California, and one of the most desirable of evergreens. Very extensively planted for hedges. Transplanted in boxes, 2 years, 100, \$3; pot grown, 1 foot, 25c each; balled, 2½ to 3 feet; 30c each.

Diosma Alba, Breath of Heaven. A handsome little shrub, with heath-like foliage and small, white, star-shaped flowers. The leaves when bruised emit a sweet perfume. 25c 35c and 50c each.

Erica melanthera. One of the most desirable of the Heath family. Throughout late winter and spring the whole bush is literally covered with light rose-colored flowers. Balled, 1 to 1½ feet, \$1.00.

Eucalyptus Globulus, Tasmanian Blue Gum. One of the most useful of all and a very rapid grower. Pot grown 2 to 3 feet, 20c each. Transplanted in boxes, \$1.75 per 100. Ask for special quotations on quantities.

Eucalyptus Rostrata, Red Gum. Transplanted in boxes, \$1.75 per 100. Pot grown, 25c each; \$2 per 10.

EUGENIA. Brush Cherry

Eugenia myrtifolia. "Brush Cherry." Excellent shrub of easy culture; of erect and compact growth. Foliage glossy green. The new growth takes on a reddish hue, which gives it a unique appearance. Flowers myrtle-like. Balled, 2 to 3 feet, \$1.50; 1 to 1½ feet, 75c; potted, 1½ to 2 feet, 50c.

Grevillea thelemannia. Beautiful evergreen shrubs having fine feathery foliage and producing throughout the summer clusters of brilliant scarlet flowers, borne on the ends of the branches. Potted, 1½ to 2 feet, 50c; 1 to 1½ feet, 35c.

Hypericum Moserianum. Produces long, slender, much branched stems, leafy to the base and all drooping towards the ends; it is marvelously free flowering, of large size, measuring from 2 to 2½ inches in diameter; in color a rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers; blooms continuous the entire season. Strong plants, 35c each.

Jacaranda ovalifolia (J. mimosaeifolia). Brazil. 50 ft. Symmetrical tree with bipinnate, extremely finely divided, large leaves. Flowers tubular, violet blue, with large panicles. Too tender for sections that have severe frosts. Highly valued wherever it will thrive.

Laurustinus. A well-known winter-flowering shrub of great beauty, producing an abundance of white flowers; well adapted for hedges. 15c, 35c and 50c each.

Libocedrus Decurrens (California Incense Cedar) or white cedar. One of our most hardy and ornamental conifers. 1 ft. 6-inch pot, 60c.

Ligustrum Japonicum (Japan Privet). Produces large clusters of white flowers slightly fragrant, followed by purplish blue berries; leaves glossy, leathery, dark green. A large-growing shrub (or small tree). Makes an excellent hedge; stands trimming well. It also makes a very handsome sidewalk tree when trimmed up. In flats, \$2.00 per 100; pots 25c each.

Myrtle, Common. A dwarf shrub with shining green leaves and fragrant white flowers. 50c each.

Pepper Tree. A most popular shade and ornamental tree, with fine feathery foliage; producing clusters of reddish berries in autumn. 25c, 35c and 50c each.

Pine, Monterey. The most desirable pine for shade, and more extensively planted than any other variety in this State. Pot grown, 2 to 2½ feet, 30c each; balled, 3 feet, 50c each.

Pinus Canariensis. A quick-growing pine with beautiful glaucous foliage. Balled, 3 to 4 feet, 35c each.

Pittosporum Eugenioides. A large, upright-growing shrub, with glossy yellowish green leaves; a very effective shrub, and excellent for hedges. 1½ feet, 25c each, \$2 per 10; 2½ feet, 30c each, \$2.50 per 10.

Pittosporum Undulatum. Flowers sweetly scented; very desirable. 1½ feet, 35c each.

Poinsettia, "Flor re Pascua." The pride of 'southland at Christmas time. 25c to 50c each.

Snowball. Produces large, globular pure white flowers in great luxuriance. 2½ feet, 35c each.

Spiraea, A. Waterer. A fine new dwarf variety, with dark crimson flowers. 1½ feet, 30c each.

Spiraea Van Houtte, Bridal Wreath. Flowers double white; produced along the branches in great profusion.

Swainsona Galegifolia Alba. This variety has delicate white flowers. 35c each.

Swainsonia Grayana, Darling River Pea. Flowers rose color, produced in sprays of from 12 to 20 flowers each. The individual blooms resembling the flowers of a sweet pea; leaves small, acacia-like; a most desirable ever-blooming plant. 35c to 50c each.

Syringa Vulgaris Alba. Common white Lilac. Bears small panicles of pure white and very fragrant flowers. 35c each.

Syringa Vulgaris Purpurea. Common purple Lilac. The old, best known sort. 35c each.

Texas Umbrella Tree. A rapid-growing shade tree; peculiarly adapted for sidewalk planting; grows in shape of umbrella; thrives best in warmer sections. 4 to 5 feet, 60c each.

Weigelia Rosea. Elegant shrub from Japan; they produce superb large, trumpet-shaped flowers of a fine rose color. 2 to 3 feet, 35c each.

CLIMBING VINES For Every Purpose

Ampelopsis Quinquefolia, Virginia Creeper. Leaves palmate, handsome and luxuriant, assuming in autumn a gorgeous bronzy hue. 25c and 50c each.

Ampelopsis Veitchii, Boston or Japan Ivy. A great improvement on the old Virginia Creeper; fast-growing in the shade or sun. 25c to 50c each.

Asparagus Plumosus. The leaves are a bright green, are gracefully arched and are as finely woven as the finest silk mesh, surpassing Maiden Hair Ferns in grace, fineness of texture, and richness of color. 25c, 35c, and 50c each.

Asparagus Plumosa Nana. Small plants (pot grown), for bedding out. We have a very large stock and solicit correspondence. Each 10c; doz. \$1.00, postpaid.

Asparagus Sprengerii. A fine hanging basket plant, very hardy, and highly recommended for baskets, porches, etc. Small size 25c; medium size 40c; large size 75c.

Bignonia Grandiflora, Trumpet Vine. Rapid-growing climber, bearing large orange-yellow trumpet-shaped flowers in great profusion. 50c each.

Bignonia Venusta. Orange-colored trumpet flower, evergreen. 50c each.

Bougainvillea. These climbers are becoming greater favorites every year. They have peculiarly shaped flowers, somewhat resembling the leaves in shape, the color being of a rosy lake and produced at the end of the branches in wonderful profusion.

Bougainvillea Braziliensis. Larger flower, and lighter color than above. 2 to 3 ft., 50c each.

Bougainvillea Sanderiana. Deep magenta red. 2 to 3 ft. 50c each.

Clematis. Large flowering; named sorts. 75c each.

Clematis Montana. Produces its pure white flowers in early summer; very floriferous and fast-growing. 60c each.

Clematis Paniculata. 35c each.

Ficus repens. A fine ornamental climbing plant. The best evergreen vine for covering buildings, walls, or other supports, either stone, brick or wood. Its small, deep green leaves and close clinging habit make it very attractive. Large plants 25c each, \$2.00 per 10; smaller plants 20c each, \$1.50 per 10.

Jasminum Grandiflora. One of the best white species; blooms almost perpetually during the summer and fall;

erect growing, branches drooping and angular. 35c each, \$3.00 per 10.

Jasminum Mandevillea Suaveolens. "Chili Jasmine." A beautiful climbing vine from South America, bearing clusters of waxy white flowers in great profusion; intensely fragrant, 35c each.

Jasminum Revolutum. The well known yellow Jasmine; a half climbing plant of strong rapid growth; very fragrant, 35c each.

Lonicera Japonica Halliana. "Hall's Japan." Evergreen, vigorous climber; flowers pure white, changing to yellow; deliciously fragrant; borne in great profusion during the summer and fall. One of the best. Succeeds where some of the others will not grow. Valuable for porches, fences, etc. Strong plants 35c each; \$3.00 per 10.

Lonicera semperflorens. "Red Coral." A high-climbing vine with stems ten to fifteen feet long, leaves oval or oblong, green or bluish-green above, glaucous beneath; flowers scarlet, about two inches long; profuse and very showy. 35c each; \$3.00 per 10.

Muehlenbeckia Complexa. Rapid growing twining vine, with dark wiry stems and tiny leaves; known sometimes as the Maiden Hair Vine. Excellent for covering trees, posts, fences, etc. 35c each.

Passion Vine. Pink. 50c each.

Passion Vine. Scarlet. 50c each.

Plumbago Capensis. Flowers "a most delicate shade of azure-blue; unrivaled for their continuous blooming and drouth-resisting qualities; foliage clean and smooth. May be grown as a spreading shrub or as a half climber. 35c each; \$2.00 per 10.

Solanum Jasminoides. Of strongest growth and a free bloomer. Flowers are white shaded purple. 35c each.

Tecoma Australis. This beautiful vine is exceedingly useful for covering the sides of buildings. Its principal value lies in its elegant thick foliage and rampant growth. Flowers are small but produced in great profusion. Color creamy white. 35c each.

Tecoma Capensis. "Cape Honeysuckle." A half-climbing species usually grown on trellises or porches, or can easily be trained into shrub form by cutting the long shoots back severely; flowers glowing scarlet. A compact grower and almost continuous bloomer; excellent for sunny places. 40c each.

Vitis Capensis. Evergreen grape. A very attractive climber with shiny bronze leaves. Young plants, small, at 35c each.

Vitis Rupestris. Similar to above but not such a tall grower. Fine for hanging baskets. Each 50c.

Wistaria Chinensis. "Chinese Wistaria." A very strong grower; a high climber and twines tightly. Flowers sky blue, in pendulous clusters. Blooms very profusely in early spring. 2-year, 75c; 1-year, 50c each.

Wistaria Chinensis Alba. "White Chinese Wistaria." A fine variety with white flowers; otherwise same habit as preceding. 2-year, 75c; 1-year, 50c each.

Wistaria Multijuga. "Japanese Loose-clustered Wistaria." A rare species, bearing purplish or lilac-colored flowers in immense loose clusters, sometimes two feet in length. 2-year, 75c; 1-year, 50c each.

Wistaria Multijuga Alba. "New." "White Japanese Wistaria." Same habit as the former, but has white flowers. 1-year, 75c each.

Wistaria Multijuga Rosea. "New." "Pink Japanese Wistaria." Variety of the multijuga with delicate pink flowers. 1-year, 75c each.

Bedding Plants

NOTE—All plants under this head postpaid in California, Arizona and Nevada at prices quoted—and are knocked out from pots and wrapped in moss. If plants are wanted in pots they will have to go by express at purchaser's expense. These conditions are also applicable to climbing vines on this and next page.

Agapanthus Umbellatus (Blue African Lily. Extra strong, established plants, 35c each.

Alternanthera. Much used for bedding purposes; of low growth; stands clipping well. Ready about April 15th. Yellow and red varieties, 50c per doz.; \$4.00 per 100.

Aster, New Branching. Crimson, lavender, pink and white. Ready about April 15th. 25c per doz.; \$2 per 100. Postage on Asters and Pansy plants 10c doz. extra.

Begonia Vernon. This variety grows about eighteen inches high. The foliage, in the sun, turns deep olive green, shaded and edged with bronze purple; the flowers are bright red in color; magnificently set off by abundant dark foliage. 10c each, \$1 per doz.

Begonia Erfordli (Beauty of Erford). It is more dwarf and spreading than Vernon and bears three times as many flowers. The color is a lovely soft pink throughout, which does not fade in the hottest sun. It blooms ten months in the year; grows about twelve inches high, and makes a most beautiful border for Cannas, Geraniums, Scarlet Sage, etc. All Ready about April 15th. 10c each; \$1 per doz.

Cyclamen, Giant. In salmon, red, white, pink. 25c each; \$2.50 doz.; or mixed, 15c each; \$1.50 per doz.; \$8.00 per 100.

Cineraria. As a winter blooming plant for house culture, or for use for bedding under the shade of large trees, these are invaluable. We offer a fine strain. 25c each; \$2.50 per doz.

Daisies. Double, all colors. 25c per doz.; \$2.00 per 100.

Echeveria (Hen and Chickens). 50c per doz.

Fuchsias. Best assorted. 15c each; \$1.50 per doz.

Gazania Splendens. Flowers orange-yellow, produced in the greatest abundance in the spring and early summer. For making borders, where there is a lack of water, this plant cannot be beaten. 50c per doz.



Wistaria Sinensis

Golden Feather. Ready January to May. 25c per doz.; \$2 per 100.

Hydrangea Hortensis. This plant is a most satisfactory one, blooming as it does for such a long period; they succeed admirably when planted in a shady place in the garden. 25c each. \$2 per 10. Large plants, 50c each.

Lobelia. Dwarf blue. 35c per doz.; \$2 per 100.

Mesembryanthemum. These are much used for bedding purposes and planting on banks and hillsides where there is a scarcity of water. They make a gorgeous sight when massed. Perhaps the showiest of them all is the one which produces the large, single, pink flowers. We can also supply plants of the small lavender-colored one, either at 50c per doz. \$2 per 100.

Marguerite. White. 15c each; \$1.25 per doz.

Marguerite. Yellow. 15c each; \$1.25 per doz.

Our Pansy Plants Are Fine

Pansies. Good strain; mixed colors. per doz. 35c.

Primulas, Chinese and oboonica. Fine subjects for shady beds; each 25c; 5 for \$1.00; \$2.00 doz.

Primula Malacoides. A new Hybrid Primula which has become immensely popular on account of its hardy nature and free flowering, growing in habit similar to Obconica but is considered finer, of light lilac to pure white in color. Ready Oct. 1st to March 1st. 75c per doz.; \$5.00 per 100.

This List Ready Feb. 1st

Asters. Assorted colors. 35c doz.

Canterbury Bells. Mixed. 50c doz.

Coreopsis. 35c doz.

Delphinium Bella Donna. \$1.00 doz.

Forget-me-nots. 35c doz.

Foxglove. Mixed. 50c doz.

Gaillardias. 50c doz.

Hollyhocks. Mixed. 60c doz.

Pentstemon. 50c doz.

Petunia. Single mixed. 60c doz.

Petunia. Double mixed. \$1.00 doz.

Salpiglossis. Mixed. 35c doz.

Salvia. 60c doz.

Scabiosa. Mixed. 25c doz.

Shasta Daisy. 50c doz.

Stocks. 35c doz.

Verbeuas. Assorted colors. 25c doz.

Geraniums—American Beauty. Abundant bloomer of rose colored blossoms; plant a dwarf, looks as though related to the ivy.

Geraniums—Maryland. A double fiery red, plant of exceptionally fine qualities, very popular in the East.

Geraniums—Scarlet Bedder. A double midway between the Nutt and Ricard in color, fine foliage.

Geraniums—Paul Crampel. A single-scarlet of great brilliance, has few if any superiors in foliage.

Geraniums—Gen. Grant. Single bright scarlet.

Geraniums—Mrs. E. G. Hill. A single light salmon, stands the sun well.

Geraniums—Jean Oberle. A double peach blossom pink, a most prolific bloomer.

Geraniums—Jean Violette. A deep red with violet tinge.

Geraniums—Chas. Turner. Ivy, rose-pink.

Geraniums—Hartman. A cerise, that never tires of blooming. Any of the above 75c per doz. \$5.00 per 100.

FRUIT TREES AND BERRY PLANTS

IMPORTANT

Quotations on Plants, Trees and Shrubs are all Free on Board Cars (packed for shipment) Los Angeles, Calif., and freight or express at purchaser's expense; where not otherwise quoted. No Plants sent out C. O. D.

FRUIT TREES

By express or freight collect

AVOCADOS

This tree not only produces one of the most delicious fruits, but is equally as well classed as an ornamental evergreen. Until within a few years it was looked upon as a purely tropical product, but is now being successfully grown in Southern California, where its waxy, oblong leaves and yellowish green flowers make a pretty show in many yards, and the fruit a dainty novelty on the tables. The Mexican custom is to halve the fruit, filling the cup with salad dressing, and is the usual method of eating it here. The fruit is pear shaped, and the mellow, buttery flavor appeals to every palate.

Budded Trees, 18-23 in. high \$3.00 to \$3.50.

Budded Trees, 36-60 in. high \$5.00 to \$6.00.

Seedlings, 8-12 in. high 35c.

Anona Cherimolia. "Cirimoya"—Custard Apple—A bushy tree, bearing delicious fruits, some weighing as much as two pounds. Now becoming quite common in Southern California. Each \$1.00.

Feljoa Sellowiana. A small tree allied to guava, but more hardy. The fruit greenish, size of an egg—consisting of a delicious pulp, highly perfumed. A very ornamental small tree. 35c each.

Casimiroa Edulis. "The Zapote Blanco." Fruits quite large, apple shaped, of a buttery consistency, deliciously sweet, and sure to be appreciated by everybody. 50c to \$1.00 each.

LOQUATS

Advance. New large fruited variety, pear shape, flavor the best. Balled 25 to 30 lbs.) 2 to 3 ft., \$2.00.

APPLES

Price, 4 to 5 feet, 35c each; \$3.00 per 10.

Baldwin. Large, roundish; deep bright red over a yellow ground. Ripe in November and December.

Gravenstein. Tree a vigorous grower, fruit large, skin yellow splashed with red and orange, flesh tender, crisp and highly flavored, a strong growing and heavy bearing tree. A standard fall apple in this State. August.

Winter Banana. A comparatively new variety. Fruit large and well formed, yellow shaded with red. Flesh yellow with a rich aromatic sub-acid flavor of the best quality.

Rhode Island Greening. Large and round. A fine apple for table cooking. Flesh yellow, fine grained, tender, crisp, juicy, slightly acid. A healthy and very popular tree. October and November.

Jonathan. Medium size, conical. Skin light yellow, with red stripes, and deep red in the sun. Flesh tender, juicy and rich. One of the best apples for Southern California, including the Mountain Valleys and Platteaus. October to December.

Rome Beauty. Large and roundish, yellow shaded and striped with bright red. Flesh yellowish, juicy and

sprightly. Good late keeper. One of the very best varieties for the mountain valleys of Southern California November to February.

White Winter Pearmain. One of the universal favorite and extensively grown apples in California. A big commercial variety. Flesh yellowish, crisp, tender and juicy, with an elegant subacid flavor. A strong and healthy grower. Succeeds well in all parts of the State. November to January.

Winesaps. Medium size, roundish oblong. Color of skin, dark red. Flesh yellow, crisp and rich flavor. A good bearer and largely grown. An excellent table variety and one of the best for cider. November to February.

Early Harvest. Medium size, early green apple, fine for early summer.

Red Astrachan. Large, early, bright red; a fine early kind.

CRAB APPLES

Price same as Apples.

Red Siberian. Fruit about an inch in diameter; yellow, with a scarlet streak.

Yellow Siberian (Golden Beauty). Large, color beautiful golden yellow.

ALMONDS

ALMONDS—35c each, 3 for \$1.00.

Almonds, I. X. L. One of the popular varieties, medium soft shell; tree a strong grower.

Almond Ne-Plus-Ultra. Nut large, soft shell; a regular and heavy bearer; an old standard sort.

APRICOTS

Royal. Fruit medium, oval, slightly compressed; dull yellow; flesh pale orange, with rich, vinous flavor; more extensively planted than any other variety; excellent for canning and drying. 35c each; 100 \$30.00.

Newcastle. Fruit medium, round, and two weeks earlier than the Royal. A great favorite. First of June. 35c each; 100 \$30.00.

CHERRIES

Black Tartarian. An old standard; tree a remarkable vigorous, erect and beautiful grower and an immense bearer; fruit deep purplish-black; flesh rich, juicy, delicious. 35c each, 100 \$30.00.

Napoleon Bigarreau (Royal Ann). A magnificent Cherry of the largest size; pale yellow, becoming amber in the shade, with a brige red cheek; flesh very firm, juicy and sweet; tree rapid grower and immense bearer; excellent for canning, preserving and shipping. 35c each; 100 \$30.00.

FIGS

Mission (California Black). The large, black fig most common in California, it is a good grower and bearer. 35c each; extra large 75c each.

Brown Turkey. This is a very large fig; color violet brown; the earliest of all large figs. 35c each.

White Smyrna. A medium-sized tree of spreading habit; fruit skin thin, grayish-green; a splendid table fig. 35c each.

White Pacific. Large size fig; color green; flesh light pink. When fully ripened as sweet as honey; a good producer. 35c each; extra large 75c each.

Kadota. A white fig of medium size, prolific bearer. Trees bear when very young. Price two to three ft. 35 cents, three to five ft. 35c.

PEARS

Bartlett. There is no occasion to describe this variety, so well known is it. Ripe in August. 35c each.

Winter Nellis. Medium size, yellowish green with grey russet; flesh yellowish white, fine grained, buttery, melting, juicy and rich. November to January. 35c each.

PRUNES

French. Medium size, egg shape, violet purple; very sweet and sugary; the most extensively planted for drying. 35c each.

Sugar. The new creation of Burbank's has probably attracted more attention among horticulturists than any other Prune of recent introduction; early tree; vigorous, carries a high percentage of sugar, dark purple flesh, tender and rich. 35c each.

Tragedy. Medium size, dark purple; flesh yellowish green, rich and very sweet; a rapid grower and very productive. 35c each.

PLUMS

Price, 4 to 5 feet, 35c each; \$3 per 10.

Burbank. Large, yellowish ground with red cheeks; flesh yellow, firm and very sweet when fully ripe.

Satsuma. Large, dark red; flesh red, firm, solid, juicy and delicious flavor. A small pit; ripens early in August and is a valuable shipping plum.

Kelsey Japan. A very large, heart-shaped; skin mixed yellow and purplish color covered with bloom. Fresh yellow, very firm, and clings somewhat to the pit which is very small.

NECTARINES

Nectarine, Improved Red. The finest and best bearer, 35c each.

QUINCES

Price, 4 to 5 feet, 35c each; \$3 per 10.

Apple or Orange. Large; bright yellow; the best.

WALNUTS

Santa Barbara Soft Shell. 4 to 5 feet. 50c each; \$4 per 10.

Placentia Perfection Grafts. One of the most popular sorts. 6 to 8 feet, \$1.50 each.

PEACHES

FREESTONE

Early Crawford. Very large, oblong; skin yellow with fine red cheek; flesh yellow; very sweet and excellent. 35c each, \$30.00 per 100.

Elberta. Large, bright yellow with a beautiful mottled red cheek; flesh yellow, juicy, sweet; a good bearer and strong grower; an excellent market variety. 35c each, \$30.00 per 100.

Foster. Large, yellow, very popular medium early; flesh is firm; one of the best for drying, market and canning. 35c each, \$30.00 per 100.

Late Crawford. Very large, yellow, with dark red cheek; flesh deep yellow; rich flavor; a popular variety for drying and canning. 35c each, \$30.00 per 100.

Lovell. Large, of excellent flavor; largely used for canning and drying. 35c each, \$30.00 per 100.

Muir. Fruit large to very large; perfect free-stone; flesh clear yellow, very dense, rich and sweet; pit small, a good bearer and strong grower. One of the most popular varieties for canning and especially adapted for drying. August. 35c; \$30.00 per 100.

Salway. Large round, skin downy, creamy, rich, clear, crimson cheek; flesh deep yellow, red at the pit, juicy and sweet. A standard late peach. Tree very healthy. September. 35c each; \$30.00 100.

Strawberry. Extremely early peach, a good variety of the earliest market, white flesh. 35c, 3 for \$1.00.

Early Imperial. Earliest yellow, good peach; extra fine quality for early. 35c, 3 for \$1.00.

CLING STONES

Lemon Cling. Fruit large, lemon shaped, red on sunny side; rather acid in flavor. One of the most popular of all the canning peaches. A heavy and regular bearer. August. 35c each.

Orange Cling (Runyon's). Superior to the common Orange Cling, and not subject to mildew like the common sort. Fruit very large, yellow, with dark crimson cheek, rich, sugary and vinous flavor. July. 35c each.

Phillips Cling. Preferred by canners to all other clings. Fine large yellow, no color at pit, which is very small, very rich and high colored, flesh of the finest texture. September. 35c each.

GRAPES

15c; 2 for 25c; \$5.00 100 postpaid.

Flame Tokay. Bunches large and showy. Very popular shipping variety.

Malaga. White, best table variety. Berries large and fine flavor.

Muscat. The great raisin producer, popular throughout the state.

Sultana. The Seedless raisin, fine early variety for table.

Thompson's Seedless. Similar to above. Popular for early table variety.

Mission. Black. The old popular variety, both for table and wine.

AMERICAN OR EASTERN VARIETIES
Catawba. Dark coppery red. Fine for arbors.

Concord. Large, black grape, bunches.

Isabella. Black. Very extensively grown, fine medium early variety; excellent for arbors.

Niagara. One of the best white grapes in cultivation. A leading market variety and much used for arbors.

Moore's Early. Large black, like Concord, only earlier.

Worden—Very large; fine for table.

Delaware. Quite large and very prolific.

PLANTS FOR THE HOME GARDEN

THE HOME AND GARDEN PAGE

NOTE—With any order (accompanied by remittance) of \$1.50 and over, we will send prepaid to any post office or route or by prepaid express within 600 miles of Los Angeles any Plants under this head.

ARTICHOKES

Seedlings from Pots. \$1.00 per doz. Postage 10c per doz. extra.

Suckers. 20c each; \$2.00 per doz. 3c each for postage.

Tubers. 25c per lb. postpaid.

ASPARAGUS

Ready from Dec. 1st to April 1st

Giant Argenteuil. Large light green. 25c per doz.; \$1.50 per 100; \$9.00 per 1000; postage 3c per doz.

Palmetto Green. 25c per doz.; \$1.50 per 100; \$9.00 per 1000; postage 3c per doz.

EGG PLANTS

Ready Jan. 30th

50c doz. postpaid; \$2.50 per 100, express paid.

CABBAGE AND CAULIFLOWER

Ready Sept. 1st until March 1st

10c per doz.; 60c per 100, postpaid.

CELERY

Ready April until September.

10c per doz.; 60c per 100, postpaid.

CHIVES

Large bunch, 10c; 75c per doz., postpaid.

TOMATOES

Ready after Jan. 30th until June 1st

Earlana; Stone; Beefsteak. 20c per doz.; \$1.00 per 100, postpaid.

PEPPERS

Ready Jan. 30th until June 1st

Bell; Chinese Giant; Chili; Pimiento. 20c per doz.; \$1.00 per 100, postpaid.

KALE

10c per doz.; 65c per 100, postpaid.

RHUBARB

Wagner's Giant. 15c each; \$1.50 per doz. Postage 2c each.

Winter Crimson. 10c each; \$1.00 per doz.

HORSE RADISH

Maliner Kren. 25c doz.; \$1.00 per 100. Postage 3c doz.

SWEET POTATOES

Yellow Nansemond; Red Jersey. 60c per 100, postpaid; \$3.75 per 1000, by express, prepaid.

GUAVA

Strawberry. Small plants, 15c each, postpaid, or \$1.50 per doz., express paid.

FEIJOA SELLOWIANA

35c each, postpaid; \$3.50 per doz. express paid.

CURRANTS

Cherry. Vigorous and productive when grown on good soil and cultivated; berries large, deep red; rather acid. 25c each; \$2.00 per doz., postpaid.

Perfection. A new variety of good quality; berries of good size; color a beautiful bright red; flavor rich, mild and sub-acid; exceedingly productive. 25c each; \$2.00 per doz., postpaid.

GOOSEBERRIES

Oregon Champion. This new variety originated in the state from whence it takes its name. The fruit is large and round; bush is a prolific bearer and free from mildew. 25c each; \$2.00 per dozen, postpaid.

BERRY PLANTS

Crandall's Early. Ever-bearing, large and firm; good flavor, bears the entire season, ripens early, one of the best. Per dozen, 50 cents, \$3.00 per 100.

Himalaya Giant. A remarkable grower, canes growing 40 feet in a single season. It should be trained on a trellis; a tremendous bearer and good shipper. Very few seeds. For canning and jams it has few equals and is also a fine table fruit; 15 cents each; \$1.00 per dozen; \$7.00 per 100.

Mammoth Blackberry. A mammoth in growth and unlike any other blackberry plant. In a favorable season it has attained a growth of 20 feet. The foliage is large and thick and of a deep green color. Fruit is enormously large, some berries being 2½ to 2½ inches long; ripens three weeks before other kinds. Of delicious flavor and sure to become a great favorite.

vorite. To obtain the best results plant upon a trellis, which should be set 10 feet apart and set the plants 6 to 8 feet in the rows. 10c each; 75c per doz.; \$5.00 per 100.

Loganberry. A cross between the raspberry and the blackberry, and partaking of the flavor of both, only more delicious than either. Seeds few; ripens early; excellent for table either raw or stewed. This berry is unlike any other in existence. Fruit very large, dark red and produced in immense clusters. One of the finest berries in existence. The best results are obtained by growing on a low trellis. Plant in rows seven feet apart and six to eight feet in the row. 10c each; 50c per dozen; \$2.50 per 100.

NOTE—Berries 5c per doz. postage.

STRAWBERRIES

Postpaid or Expresspaid

Prices, 20c per doz.; 75c per 100; \$4.50 per 1,000.

Brandywine. Plant a luxuriant grower. Fruit large, conical; flesh firm, glossy red, of fine quality. A medium to late variety, exceedingly popular, heavily grown and a splendid shipper.

A1 Strawberry. The earliest strawberry and the best winter bearer. Round, medium, good flavor, color pale red. Brings high prices as a winter berry.

Klondike. A medium early variety of recent introduction. Fruit beautiful and uniform in shape; a rich blood-red in color; juicy and delicious in flavor. Well worth planting. A new berry, becoming very popular and grown heavily for market.

RASPBERRIES

Cuthbert, Red. Berries very large, rich red, flavor good; a fine shipper, one of the most popular of all Raspberries. 60c per doz., postpaid.

St. Regis. Everbearing, and will bear first year. \$1.00 per doz. postpaid.

Oro Noca. Very large, evergreen, strong grower. Will grow ten feet high and bears clusters of yellow fruit of good quality. 75c each, postpaid.

Golden Queen. 10c each; \$1.00 per doz.

Kansas Black. 10c each; \$1.00 per doz.

HERBS

15c each, postpaid; \$1.25 per doz., express paid.

Thyme; Sage; Lavender; Catnip; Marjoram; Basil; Mint.

ROSES

Sent prepaid Parcel Post or Express if not less than 6 are bought, 25c each, \$2.75 per doz. These are field grown 2-year-old—if we do not list the variety you want send in your order and we will get them for you—if in the market.

British Queen (H. T.) Pure white, un-expanded buds sometimes flushed peach. Open flowers without any trace of yellow. Beautifully formed, with pointed center and reflexed outer petals.

Geo. Dickson (H. T.) Deep scarlet, shaded velvety crimson. Color wonderfully rich, especially in spring. Flowers large and very full. Very fragrant. Growth extremely vigorous, almost like a climber. Moderate bloomer.

Sunburst (H. T.) Yellow, shaded coppery orange. Large, magnificently formed and richly tea scented. Color light in spring, but very deep in fall.

Frau Kari Kruschki (Snow Queen). The finest white rose, with large, full flowers of splendid form. It is marvelous in its beauty in half open bud and in the pure white of the full opened bloom. In a bed of a dozen plants there is seldom a day during the summer when blossoms cannot be cut, and during the spring and fall it blooms in profusion. It is the ideal rose. Strong No. 1 bushes.

American Beauty. (Red). A good deep red. Should be cut down short each season so as to get long new growth.

Black Prince. Magnificent blackish velvety crimson, an old favorite.

Madam Caroline Testout. Satin pink. Flowers cup-shaped and very fragrant. Free in bloom, strong in growth and should be included in every good collection.

Madam Cecil Brunner. The most beautiful of all Polyantha or Baby Roses. Color bright salmon blush; very sweetly scented.

Mrs. Geo. Sawyer. Everblooming Tea. While we have not tried this rose out sufficiently to determine its adaptability to this climate, those who have seen it elsewhere are most enthusiastic in their praise. Flowers are clear peach-pink, large, full and well formed; carried on stiff, erect stems.

Hugh Dickson. Hybrid Perpetual. A vigorous free grower and perpetual bloomer; fine foliage; color a rich brilliant crimson; very sweetly scented.

Radiance. Hybrid Tea. A brilliant, rosy carmine, displaying beautiful, rich pink tints in the open flower; of fine form, large and full; a constant bloomer.

Rainbow. Ever-blooming Tea. The habit of growth and form of the flower are similar to Papa Gontier; color pink, striped crimson, center amber. A pretty rose.

Red Cochet. Ever-blooming Tea. Grows in almost any soil or situation and produces its superb flowers in profusion; vigorous grower and free bloomer; flowers are full, perfectly double; color warm rosy crimson; buds beautifully formed, long and pointed.

Edward Mawley. Brilliant fiery red. Color particularly bright in fall. The opening buds are shaded velvety crimson inside. Moderately double. Quite fragrant. Very free flowering. Growth is very strong, also unusually erect and slender.

Ophelia. Salmon flesh shaded rose with chamois center. A rose that is lovely at every stage. The buds and flowers are beautifully formed and colored, enhanced by rich veining on the petals. Stems are long and carry flowers erect. Could hardly be praised too highly.

Harry Kirk. Creamy yellow with bright amber center. Buds are much deeper in color and long pointed. Open flowers are fairly double, saucer-shaped and large. Fragrance

is exceptionally fine. It is an exceedingly heavy bearer. Bush grows vigorously, branches freely and has rich, dark, glossy green foliage. About the best light yellow in this division.

Lady Hillingdon. Deep apricot yellow. The color is solid without any shading and absolutely unique. It can be told at a glance from any other rose known. A wonderful thing about it is that even after the flower is cut the color will deepen. It never fades. The new wood and long stems are deep violet, making a contrast with the flower that has to be seen to be appreciated. Growth is strong and vigorous. Foliage at first dark violet, becoming a very deep green with light violet hue. Flowers are large and loose, with long, pointed buds and remarkably large petals. The finest yellow rose to date, in our opinion.

Kaiserin Augusta Victoria. A grand white, with all the points which go to make a perfect rose; it combines perfection in form, color, vigor and freedom of bloom. No collection will be complete without this superb variety.

Duchess de Brabant. (Pink). Soft rosy pink; buds are fine; called Duchess everywhere.

Duchess of Wellington. One of the most beautiful yellow bush roses; has a very stiff stem with large deep yellow bloom.

Pearle D'or, with flowers like the Cecil Brunner, only a beautiful yellow.

Francisco Kruger. (Yellow). Deep coppery yellow; buds are exceedingly fine.

Gruss an Teplitz. (Scarlet). One of the best of its color, always in bloom.

Irish Fire Flame (H. T.) Buds fiery orange-red, open bright salmon. Very distinct, and one of the most beautiful roses.

La France. (Pink.) One of the very largest of the pink; an old favorite.

Paul Neyron. The largest rose in cultivation. Flowers of enormous size, borne on long sturdy shoots, and usually one flower to the stem. Rich dark rose in color and very fragrant.



Red Rose, Geo. Dickson



Yellow Rose, Sunburst

Prima-Donna. One of the most beautiful pink roses that has been introduced within the last couple years with the shadings and size of no other rose of its class.

Maman Cochet. Ideal in form, perfect in color, vigorous in growth and well covered with handsome foliage. Deep rose pink, unsurpassed for lasting qualities and now grown by the thousands as a commercial cut flower.

Maman Cochet. (White.) Like the pink form this is the most popular of its color. These two roses are the best and freest bloomers in all the list, handy and free.

Mad. Abel Chatenay. Produces a continuous mass of exquisite salmon pink blooms; beautiful in bud or when fully opened.

Marie van Houtte. (White, slightly tinted.) This rose is fringed and tinted with yellow; very large, free bloomer.

Papa Gontier. (Rich bright red.) Fine in buds, not very double, but beautiful for bouquets.

Ragged Robin. (Gloire de Rosomanes.) Single red; a great favorite.

Ulrich Bruner. (Cherry red.) A robust thornless rose, immense cup-shaped flowers. Better than American Beauty for open ground.

Gen. McArthur. (Vivid Crimson Scarlet.) One of the finest roses. Beautiful in bud and open flower.

Helen Gould. (Deep Brilliant Red.) With long pointed bud. Very hardy and constant bloomer.

Bride. Ever-blooming Tea. Pure white, sometimes delicately tinged with pink; large, fine form, fragrant, free bloomer; one of the most popular of white roses.

Betty. A beautiful copper rose, one of the finest.

Meteor. Deep dark red, very large; one of the best red roses for cutting.

Etoile de France. A charming fine French variety; has large, fine buds borne singly on long, stiff stems; dark crimson in color, center vivid cerise; fuller and deeper color than Gen. McArthur.

Hadley. A beautiful deep red with long stems and a long pointed bud.

General Jacqueminot. Hybrid Perpetual. An old popular variety; color brilliant crimson; large and effective.

Perle des Jardines. (Pearl of the Garden.) This grand old rose still maintains its popularity and is known as one of the best of its color; the flowers are large and full; clear golden yellow; succeeds in open ground.

Killarney Brilliant. Much finer than the old Killarney with beautiful buds of a clear rose pink.

Red Crochet. Grows in almost any soil or situation, and produces its superb flowers in profusion; vigorous grower and free bloomer; flowers are full, perfectly double.

Geo. Arends H. P. Called by the originator "Red Frau Karl Kruschki." Flowers bright red carmine, borne on long stems, an extra good forcing rose.

Killarney White. About the same form as pink only a clear white.

Killarney. Flesh suffused pink. Semi-double. Buds long pointed and very beautiful. Free blooming. Very fragrant.

Winnie Davis. Flesh pink, outer petals silvery bluish. Buds long pointed; flowers large and formed much like Clara Watson or Miss Kate Moulton. Not very double. Growth vigorous, erect and slender. An extremely heavy bloomer, particularly in spring.

NEW VARIETIES

Juliet. A distinct type of rose. It is a wonderful grower, sending up long, strong stems surmounted by flowers of most unique color; the outside of the petals is old

gold; the interior, rich rosy red, changing to deep rose as the flowers expand; very large and full; delicious fragrance.

Mrs. Aaron Ward. Hybrid Tea. Deep golden orange color, shading out to lemon or creamy yellow at the end of the petals. The buds are cupped and very deep, showing the glowing heart to the best advantage; flowers very large, full and exquisitely formed.

Red Radiance. Flowers are large and cup-shaped, unusually elongated, very double, sweetly scented. Growth vigorous and erect, with spreading branches. Blooms freely. Well liked. 50c each.

Lyon. (Pernet-Ducher, 1907.) Shrimp pink or coral; center salmon shaded chrome yellow. No rose ever made a quicker leap into popularity. Its color is gorgeous, form unsurpassed and fragrance delightful. Flowers are occasionally of enormous size, but always faultlessly formed. For some unknown reason the very best flowers we have ever seen were produced on "standards"; it certainly succeeds splendidly grown that way. 35c each.

Madame Edouard Herriot or Daily Mail. "Superb coral red, shaded yellow at base, passing to shrimp red." Neither this description nor any other will convey a just idea of the wonderful coloring. At first sight it seems artificial. The flowers are moderately large and semi-double. Buds perfectly formed and magnificently colored. 35c each.

Baby Doll. Like bush Cecil Brunner, only deep yellow shading to rose pink. 50c each.

Melody. Deep saffron yellow. Petals long and pointed. 35c each.

Tipperary. Like Cecil Brunner, only a deep golden yellow. One of the finest new roses. \$1.00 each.

Francis Scott Key. A beautiful very deep red. A really wonderful rose for cutting. \$1.00 each.

Mrs. A. R. Wadell. A beautiful salmon pink. A very beautiful color. 35c each.

Willowmere. "Rich shrimp pink, shaded yellow at center, with rosy carmine at edges of petals" (Pernet-Ducher). The introducer considers it an improvement on Lyon, of similar coloring, but more elegantly and slenderly formed. Our test has been very limited, and while doubtful about its excelling Lyon, we certainly consider it a very lovely variety. 35c each.

My Maryland. A beautiful clear pink and has fine fragrance. 35c each.

CLIMBING ROSES

The following are among the choicest of Climbing Roses. Our plants are strong and will give plenty of bloom the same season they are planted. 25c each; \$2.75 per doz. postpaid, except where noted.

Climbing Sunburst. Identical to the bush variety in color, but is of strong climbing character. The many years of trials for a perfect yellow rose is at last rewarded, and we consider this one of the best and probably the finest in color and form of any rose yet introduced of yellow color. The buds are long and pointed of great substance and when cut last extremely well. Each 50c.

Marechal Niel. The buds and flowers of this rose are superb; extra large, double and exquisitely perfumed; the color is a deep golden yellow; blooms very freely; throughout the South and West Coast it attains a degree of perfection seldom seen in any rose.

Beauty of Glazenwood. (Coppery Salmon.) Also known as Gold of Ophir; an old favorite for covering fences or buildings.

Climbing White Cochet. A new variety. A strong climbing sport from the popular White Maman Cochet. Flowers identical and borne very freely.

Climbing Caroline Testout. A grand climbing form of Madam Caroline Testout. Has all the good qualities of the latter, coupled with additional strength of growth and consequently greater production of bloom. Extra good.

Climbing Kaiserin. The counterpart of Kaiserin except that it is a climber. The buds have the same exquisite form as the parent and are the same color. Delicate ivory white. Very vigorous grower.

Climbing American Beauty. A fine variety. Cerise red. Flowers medium size, double and very fragrant. Vigorous climber. Has little resemblance to American Beauty except in color.

Climbing Cecil Brunner. We have in this lovely Climbing Rose not only one of the daintiest of all roses, but also one of the most useful.

Climbing Karl Druschki. A very strong grower with blooms like the bush.

Climbing Wootton. A superb climbing rose, vigorous in growth, fine in foliage. Color velvety crimson. Petals thick and leathery. A valuable acquisition to the list of red climbers, which is none too large.

Climbing Papa Gontier. The sports which have resulted in climbing forms to many of our best standard roses have been numerous, but we doubt if with the exception of Climbing Kaiserin and Climbing Testout, there are any equal to this lovely climbing form of the old Papa Gontier.

Climbing Gruss an Tepitz. with the same ever-blooming habit as the bush; one of the finest deep reds.

La Marque. Well known as one of the finest white varieties in cultivation. A remarkably profuse bloomer. Fine in bud state as a cut flower.

Reve O'or. Unique in shades of buff and apricot; similar in form to the La Marque. One of the best climbing roses in cultivation and always in demand. During the spring and summer months the plants are smothered with blooms.

Reine Marie Henriette. One of the finest red climbing roses. Flowers are very large, bright cherry red in color, and abundantly produced.

Pink Cherokee. A grand new climbing rose of rare beauty and undoubted merits. The lovely single blossoms are produced in the same profusion as the white sort, but are a delightful shade of blush pink.

White Cherokee. Lovely pure white, single flowers, which cover the whole plant in early spring; has splendid foliage.

Ramona. Whatever might be said of the old-time white and pink Cherokees can be said of this novelty, and much more. It blooms very much more freely and might be classed as an everbloomer. It is a very strong grower and a superb bright red.

Dorothy Perkins. Noted for its hardiness and vigorous habit of growth, beautiful color and freedom of bloom; the flowers are borne in large clusters; a beautiful shell pink color, which lasts a long time without fading; this variety is suitable for situations where a trailing rose is desired, or can be trained over arches or other supports.

William Allen Richardson. Orange yellow. Flowers rather small, but well formed and borne very profusely. This, with its vigorous growth and healthy constitution, makes it a valuable and popular climber.

Climbing Perle des Jardins. Deep golden yellow. Grower same as in bush variety.

CHRYSANTHEMUMS Should Not be Planted Before April 1st. DAHLIAS

No plants sent out C. O. D.

Not ready to send out before April 15th.

Chrysanthemums—General List.

Note—We can supply all the novelties of value as well as the standard varieties, but owing to limited space we list the very best in each collection. General list following. **Our selection \$1.00 doz., postpaid. \$1.20 per doz., or selection, postpaid.**

Black Hawk. The deepest dark red grown. Should be in every collection.

Ongawa. A beautiful bronze yellow.

Col. de Appleton. An old standard. Still one of the very best yellows. Late variety.

Daily Mail. A new yellow, quite early good for cutting.

Elberon. Large bright pink with light reverse.

Dr. Enguehardt. A fine commercial pink, very double, stems and foliage extra good. November.

Glenview. Large bronze, one of the most beautiful of the bronze shades.

Major Bonnaillon. A bright deep, clear yellow—incurred—an old sort but nothing can surpass it for quality and keeping. One of the best varieties grown.

Mrs. J. A. Miller. A monster of a rosy bronze color, a splendid grower and all round very fine sort.

Odessa. Very bright yellow, extra large.

Sunset. Deep red, reverse yellow, very beautiful.

Silver Wedding. A pure white, not extra large, but one of the best for cutting.

Wm. Duckham. Large Japanese, incurved heavy foliage, color deep pink, a large bloom and general favorite.

Wm. Turner. One of the largest and a pure white.

F. S. Valls. Large yellow, very deep, semi dwarf.

T. Carrington. A magnificent flower of great size, color rosy crimson, a prize winner everywhere.

The Queen. Ivory white, very double, a fine early sort. October.

Geo. W. Pook. One of the largest, terracotta, very double, with a fine foliage.

Indian Summer. Golden bronze, very beautiful.

Mrs. C. H. Totty. A very beautiful light pink.

Thanksgiving Queen. One of the purest of white.

J. E. Dunn. Salmon, one of the best.

Ivy Gay. Incurved, light silvery pink.

Mendon. An immense reflexed pink.

Marquise de Pierres. A fine large ball, pink.

Mrs. Syme. Very fine large white.

Onnda. Largest creamy white.

Sour Scalarandis. Beautiful golden yellow, dwarf.

POMPON VARIETIES

Baby Margaret. Pure white.

Baby. Pure yellow.

Golden West. Golden yellow.

Zenobia. Dwarf yellow.

Early Bronze.

Julia La Gravera. Deep red.

Lillian Doty. Light pink.

Western Beauty. Clear pink.

HAIRY VARIETIES

Louis Boehmer. Pink.

Enfant des Mondes. White.

NEW AND RARE VARIETIES

50c each except where noted.

Ogontz. Light primrose, very large exhibition, one of the most beautiful of all.

Artista. White, one of the best.

Yellow Turner. Sport from Wm. Turner, only a pure yellow, very large.

Josephine Foley. Pure white, very close incurved petals with fine stem and foliage.

Tiger. The finest yellow ever introduced.

Marigold (New). Deep yellow, very fine for exhibition, incurved.

Golden Queen. A very fine deep yellow early.



W. E. Etherington

CANNAS

Any of the following 15c each, \$1.25 per doz., postpaid in California, Arizona or Nevada.

Canna Golden Queen. Semi-dwarf golden yellow color, green foliage, large flower and extremely showy.

Hungaria. Semi-tall, green foliage, flower extremely large of deep salmon pink color. Extra fine.

Beacon. Green foliage. Moderate size flowers of very rich cardinal which are produced in great masses. A remarkable bloomer. Height 4 to 5 ft.

Long Branch. A magnificent vermillion scarlet with golden yellow border, throat flamed yellow. Luxuriant green foliage, height 5 to 6 feet.

Mrs. Alfred F. Couard. Very popular pink canna unsurpassed for planting either singly or in large beds. Its exquisite salmon pink flowers are of large size. Wonderfully profuse in blooming, large heads. 4 ft. Green foliage.

Note—One each of the 5 varieties, 65c postpaid



Golden West Dahlia

DAHLIAS

Postpaid—Not ready until about April 1st. These are plants out of 2½-inch pots, good and strong.

Golden West. A very large Primrose yellow. 75c each.

Kalif. Pure scarlet, one of the best for cutting. 50c each.

Golden Gate. Very large, golden yellow tinted bronze. 50c each.

Nibelunghort. A beautiful old rose with apricot shading. 75c each.

Dellatissima. Rose pink with light shadings. 35c each.

Glory of Wilts. Bright golden yellow. 25c each.

Fernand Olivet. Brilliant maroon 15c each.

Kriemhilda. Brilliant pink, shading to white in center. 15c each.

Master Carl. Bright saffron yellow. 50c each.

Delice. The most popular rose pink; 25c each.

Minnie Burgle. Purplish garnet; 25c each.

Souv. de Gustave Duzon. A beautiful orange red, very large. 25c each.

Gelsa. A combination of scarlet and gold, center yellow, one of the prettiest, 50c each.

Henry Patrick. A very good pure white. 15c each.

Mr. A. P. Howard. A real crimson, fine stem, 25c each.

Note—The above is only a small list of our many varieties. If interested in other kinds, send for Dahlia catalogue.

CARNATIONS

75c per doz., postpaid. Ready from Jan. 1st until Oct. 1st

Los Angeles. Pure white, not very large but very hardy.

Enchantress. White. Pure white, very large. Should be protected from sun.

Enchantress. Pink. A beautiful flesh pink. Very large. Should be protected.

Fair Maid. A pure pink, very hardy.

Dr. Choate. Bright scarlet, one of the best for outside.

Victory. Light scarlet, very fine if protected from the sun.

Roosevelt. A deep black red.

Summer Flowering Bulbs

AMARYLLIS

Bella Donna. The handsome pure pink, blooming in large clusters, and lasting a long time after cut. Are of most delicate colors in the so-called lily family. Monster bulbs 25c; 5 for \$1.00. (By express only).

Valotta Purpurea. (Scarborough Lily). This is by far the finest bloomer of all the Amaryllis Group. A beautiful deep scarlet—blooming in clusters and is fine as a pot plant. Flowers for a long period. Large bulbs 35c postpaid.

GLADIOLUS

(December to April)
Postpaid

Culture.—The bulbs should be planted about five or six inches deep in any good light or sandy soil. They flourish best in an open sunny situation.

Extra Fine Mixed. Light colors. Kind used by florists for cutting finest class procurable. Each 5c; 50c doz.

Baron Hulot. Beautiful blue. Each 10c; \$1.00 doz.

Blanche. Large snow white with faint markings. Each 25c; \$2.50 doz.

Halley. Salmon pink, extra fine. Each 10c; \$1.00 doz.

Mrs. Francis King. Fine red. Best for cutting. Each 5c; 50c doz.

Mrs. Frank Peudleton (New). Conspicuous salmon pink with a blood red blotch on lower petals. Each 10c; \$1.00 doz.

Niagara. Flowers very large, cream color shading to canary-yellow extra fine. Each 10c; \$1.00 doz.

Priniceps. Largest and most brilliant red. Each 5c; 50c doz.

Gladiolus, America. By all odds the finest clear pink Gladioli yet introduced; has very large flower, blooming close and compact on stem and opening in cluster. Each 10c, 4 for 25c, postpaid. (Not later than March).

TUBEROSE

Excelsior Pearl. This is the variety so universally grown by florists for cutting. The best bloomer. Each 5c, 50c doz.; \$2.50 per 100.

This showy flower has become very popular, as it is perhaps the prettiest of summer flowers. They will do better if protected a little from direct rays of noonday sun. They also make fine pot plants.

TUBEROUS BEGONIA

The Tuberous Begonias are among the finest bedding plants we have, but they require partial shade. A superb place for them is bordering the fern bed, or under the shade of trees or on shady side of house. Our strain is as fine as we can secure in Europe. They should be planted out in early spring as soon as cold weather is over. If plants are wanted for early flowering they can be potted up during winter and carried on in this way. They also make fine pot plants for inside or in protected places in garden. Plant bulbs very shallow, barely covering crown.

Tuberous Begonias. Large flowering double sorts in the following colors, 10c, 3 for 25c, 85c doz. Postpaid.

Large Flowered Double White.
Large Flowered Double Pink.
Large Flowered Double Scarlet.
Large Flowered Double Orange.
Large Flowered Double, all colors mixed.

Tuberous Begonias. Large Flowered Single. Some of these sorts make flowers 6 inches across. A very choice strain in the following colors,

each 10c, 4 for 25c; 75c doz., postpaid.
Large Flowering Single White.
Large Flowering Single Pink.
Large Flowering Single Scarlet.
Large Flowering Single Crimson.
Large Flowering Single Orange.
Large Flowering Single, all colors mixed.

NOVELTIES IN TUBEROUS BEGONIAS

Tuberous Begonia Cristata. A new sort with queer curled petals, very pretty. Each 15c; 3 for 40c. Mixed or in separate colors.

Tuberous Begonia. The new La Fayette, double scarlet and orange. Stands more sun than most others. Each 15c; 4 for 50c postpaid.

Tuberous Begonia Graaf Zepellin. double orange shaded to scarlet. Fine. 15c each; 4 for 50c postpaid.

Tuberous Begonia—Fimbriata (New). A fine fringed flower, double. 15c each; 4 for 50c postpaid.

IRIS

German Iris. We can supply at most any season of the year all the leading sorts, white, blue and everblooming purple. Our selection 5c each; 50c dozen. Postpaid 65c dozen.



Gladiolus America

German Iris Pallida. A clear lavender, grows about 3 feet high, a beauty. Each 20c postpaid.

German Iris—Mad, Chereau. White and lavender. A fine strong grower. Each 20c postpaid.

Iris Florentina. Lavender and white, very fine. 20c postpaid.

Iris Pallida Queen of May. A soft Rose Lilac, nearly pink, very beautiful, 2 to 3 feet. Each 20c postpaid.

YELLOW CALLA

Calla Elliotiana. The true deep golden yellow, finest of all yellows. Each 25c; 5 for \$1.00. Postpaid.

BIRD SEED

The Canary Seed forms the staple diet of nearly all seed eating birds, and this seed is grown in many different countries, and is of as many grades and qualities as in any other grain, and the best quality is that grown in Spain and Sicily. Unfortunately for many a bird, poor seed and often poisonous seeds are fed them. To keep the bird healthy and in song, it is absolutely necessary that clean wholesome seed be used, and this should be of fresh crop, as old rancid or musty seed is sure to cause trouble. The next two most important seeds are German Millet and German Sweet Rape. This should form about 1-3 of the ration, and likewise is quite important. In fact these three seeds should form the bulk of seed used. The above, with small quantity of Hemp, Maw, Lettuce, and Flax completes the seed ration. Hemp should be used very sparingly as much of the troubles of songsters is caused by an excessive use of this seed. It is too fattening and is often the cause of the loss of song. In our Special Mixture we use very little Hemp.

Our Prize Bird Mixture. Try our bird seed. A mixture put up under a formula used by a famous English concern, and has won many prizes. Price 10c, postage at postal rates.

PRICES FOR BIRD SEED

For postage see parcel post rates.

	lb.	3 lbs
Mixed Bird Seed	10c	
Mixed Canary and Rape.....	10c	
Canary	15c	
Hemp	10c	25c
Millet, German	10c	25c
Rape, German Sweet	20c	50c
Sunflower	10c	25c
Cuttle Fish Bone	60c	
Rice, unhulled	10c	
Millet, Red	10c	25c

VALUABLE BOOKS

Johnson's Gardeners' Dictionary

Entirely new and Revised Edition
The most complete and compact
Horticultural Dictionary extant
Ready for distribution early in
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Nearly 1000 pages of closely set
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9½x6¼-in.; weight 3 lbs. Price
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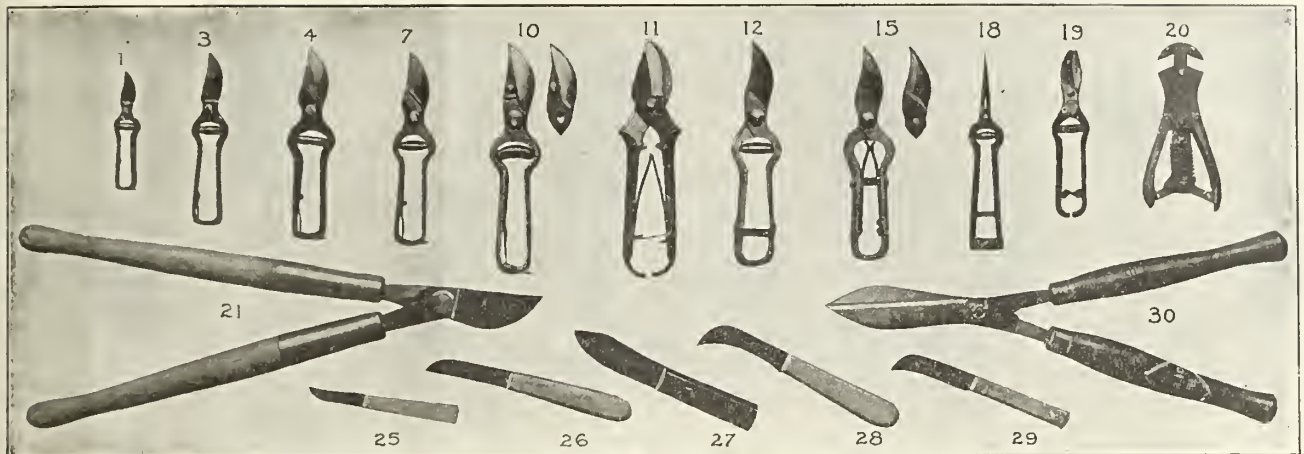
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KNIVES, SHEARS AND GARDEN TOOLS

All Hardware Prices Net at Store—Postage Extra

GRASS SHEARS

Grass Shears (Sheep Shear Pattern)
Old Vermont. This is a very high grade of shears. A-1 in every respect. Each 60c.

Grass Shears. Good quality. Each 50c.

Grass Shears, Extra Fancy Quality.
(Sheep pattern). Professional. Each \$1.25.

Grass Shears. The best shear made for this work. This is a light hedge shear. Made particularly for grass, border shear, or succulent hedge shear. High quality. Each \$1.25.

PRUNING SHEARS, ETC.

No. 1—Ladies Flower Shear. 5-inch. Each 80c; 5½-inch, \$1.00.

No. 3—Ladies 7-inch flower shear and trimmer. Each \$1.25. (California pattern).

No. 4—Shear Pruning. Best American. 8½-inch, Japaned, each... 1.25
9 inch, Japaned, each 1.50

No. 7—Shears, Pruning. (California pattern). Japaned with ratchet nut, a good article. No. 7, 9-inch, \$1.25.

No. 10—Searights No. 808. A first-class American shear, extra heavy and made for hard work, not very fancy finish but a good article with one extra blade, \$1.50.

No. 11—Cronk's Shear. A good cheap shear, worth every cent. Each 75c.

No. 15—Reiser's Special Professional. This is the same style as No. 12, except furnished with long brass springs instead of the coil spring as in No. 12. One extra blade.
No. 15 Shear, 8½-inch ...\$4.50

No. 18—Grape Thinning Shear. Used in taking out defective grapes from bunch. Each 55c.

No. 19—Orange Clips. Used for picking oranges, lemons or useful for picking flowers. \$1.00 each.

No. 21—Cronk's Lopping Shear. One of the best shears for heavy work made. Makes cleaner cut and more closely than any lopping shear on the market. These have 22 and 26-inch handles:

No. 21—Light grade\$2.25
No. 21—Extra heavy 2.50

No. 25—Catteragus wooden handle, straight blade Budding Knife, 35c each.

No. 26—Catteragus wooden handle, straight blade Grafting Knife, each 35c.

No. 27—Morris & Snow's Special Lawn Weeding Knife, extra heavy, made especially for us. Each 25c.

No. 28—Special wooden handle Pruning Hook. Each 35c.

No. 29—Grape Picker's Knife. Made specially for grape picking. Each 25c.

No. 30—Hedge Shears. Forged solid steel blades, offset shank; hardwood handles:

8-in., wt. 1½ lbs. each...\$1.35
11-in., wt. 3 lbs. each.... 1.80
13-in., wt. 3½ lbs. each... 2.45

BUDDING, GRAFTING AND GARDENERS' KNIVES

All Kinds Postpaid.

No. 1—Budding Knife. A practical high grade budder. Each 85c.

No. 18—Budding Knife. Same as No. 1, except in shape of blade. Each 85c.

No. 2—Two Blade Combination. Budder and pruning blade. High quality. Each \$1.25.

No. 3—Pruning Knife. Jordan's medium heavy. Each \$1.25.

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No. 13—Ivory Handle Budding. The fanciest article we carry. Either in Jordan's or Henckel's make. Note your choice:

No. 13—Large\$1.75

No. 14—Black Bone Handle Budder. Same blade as No. 13. Each \$1.25.

No. 15—Budding Knife with Ivory tip. Good quality. Each 75c.

No. 17—American Budding. Good quality. Each 65c.





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No. 1—Transplanting trowels, all steel, well made and strong, 3 sizes:

No. 1, 5-inch	25c
No. 1, 6-inch	25c
No. 1, 7-inch	30c

No. 4—Pointing or transplanting, handy for planting from boxes, bent shank. All steel, first class. Each 40c.

No. 5—Never Break. A good trowel and the best value for money. Each 15c.

No. 6—Ladies' Trowel. A light steel trowel, riveted blade. Each 15c.

No. 7—Maynard Socket Trowel. The strongest trowel made; straight or bent shank. Each 85c.

No. 8—Johnson's Best. All steel, bent solid shank. Each 45c.

No. 10—Johnson's Oval Shank. Steel trowel, one piece. Each 25c.

No. 12—Morris and Snow's Special. A heavy, all steel, one piece trowel, well riveted to handle. 20c each.

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The Crescent. This style of saw is very popular with the pruner. Made of first class saw steel:

Crescent, 14-inch95
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Double Edge Pruning Saw. This is a combination saw with coarse teeth on one edge and fine on other:

Double Edge Saw, 16-inch..	.75c
Henry Disston, 16-inch...	\$1.00

Nurseryman's Swivel Pruning Saw. The most satisfactory saw made for this purpose. The blade can be adjusted to any angle and make the work of pruning in difficult places easy. All steel, first class article. Each \$1.30. Extra blades 35c each.

MOLE AND GOPHER TRAPS

The Reddick. The best trap on the market for catching the mole. Practical in every respect. 75c each.

Gopher Traps—Maccabee. One of the best on the market. Each 25c.

The Box Trap. A very popular make. Each 25c.

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No. 15—Sturgis Lawn Weeder. A very practical weeder. Each 35c.

No. 16—Ball Weeder. Very satisfactory. Each 35c.

No. 20—New Perfection Weeder. A very heavy tool made for hard usage. Each 35c.

No. 17—Sargent Weeder and Cultivator. A nice tool to work up the soil around or in beds of plants. Each 30c.

No. 18—Onion Hoe. A very handy small hoe for working in flower beds:

No. 18, Short Handle, 12-in.	50c each
No. 18, Long Handle, 4 ft.	65c each

No. 19—Excelsior. 5-Prong Weeder. Each 15c.

No. 21—Norcross Cultivator. In 12-in. and 4-ft. handles. Extra attachment for fastening this Cultivator to wheel hoe, 15c each.

No. 21, Norcross, short, 3-tooth..	50c
No. 21, Norcross, long, 3-tooth..	75c

No. 21, Norcross, long, 5-tooth \$1.15

No. 22—Eureka Steel Weeder. A good article. Each 40c.

No. 23—The Gem Weeding Fork. All steel tines. Each 40c.

No. 24. A heavy, all steel fork for hard work. Each 75c.

No. 25—Three-Tine Weeder. Cast. Each 15c.

No. 26—Dibble. D-handle, cast steel, round. Each 65c.

No. 27—Dibble. Pistol grip wood handle, steel points, 2 sizes:

No. 27, Small .....	.45c
No. 27, Large .....	.50c

No. 29—Dibble. Cast iron handle, steel point. Each 50c.

WOODEN LABELS

	Unpainted	P'td.
100	1000	1000
3½-in. iron wire tree..	.20	\$1.25 \$1.50
3½-in. copper wire tree	.30	1.75 2.00
4-in. Pot Labels .....	.15	.90 1.15
5-in. Pot Labels .....	.20	1.15 1.50
6-in. Pot Labels .....	.20	1.40 1.75
8-in. Pot Labels .....	.75	4.25 5.25
12-in Garden Labels, Ptd	1.00	9.00

Moss. Selected Oregon.. Per lb. 15c.

Moss. Selected Sphagnum. Per lb. 15c.
Nurserymen ask for special prices on the above.

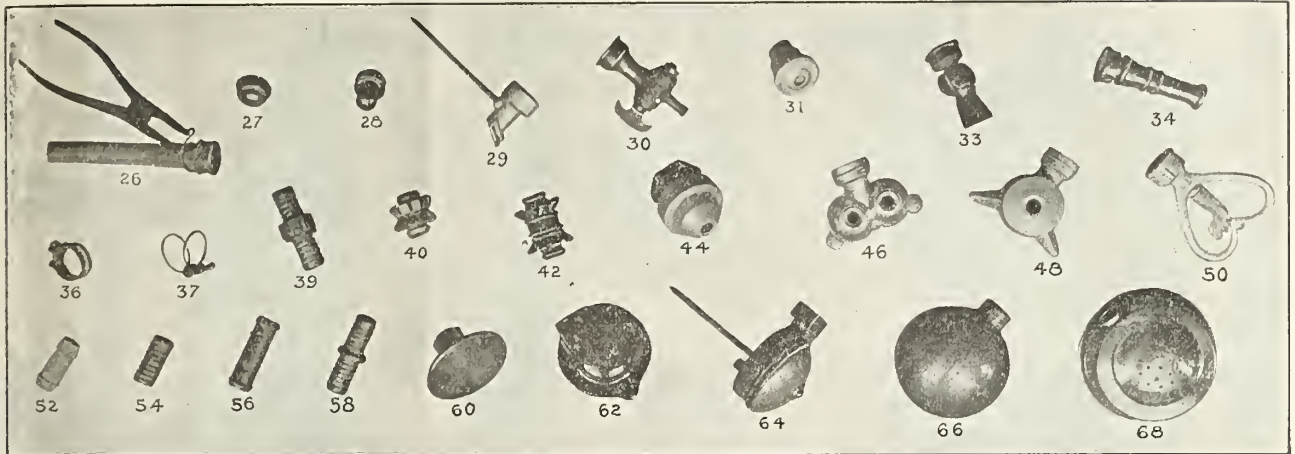
HANGING BASKETS

Wire Hangers—In all sizes, made of best galvanized wire, and thoroughly wound, in the following sizes—larger sizes made on request:

Wire Hanging Basket, 8 in.	25c.
Wire Hanging Basket, 10 in.	35c.
Wire Hanging Basket, 12 in.	50c.
Wire Hanging Basket, 14 in.	75c.
Wire Hanging Basket, 16 in.	\$1.00.

Wire Wall Pockets.—Made of same material as baskets, but designed for hanging on the wall. 8 in. 30c; 10 in. 40c; 12 in. 60c. Larger sizes on order.





GARDEN HOSE, SPRINKLERS, ETC

GARDEN HOSE HIPPO, NON-KINKABLE

A new brand of hose, manufactured especially for greenhouse use. The inner tube is made of the best quality rubber and is very strong; the jacket is woven in such a way with the outer cover that it is extremely pliable and will not kink or crack. We believe this Hose to be superior to the Electric with which most florists are familiar, and have no hesitation in recommending it to all of our customers. Comes in reels of 500 feet; order exact number of feet you require.

Hippo Hose. $\frac{3}{4}$ in., 10 ft. to 25 ft., 21c per ft. 25 ft. to 100 ft., 20c.

Hippo Hose. $\frac{1}{2}$ in., 10 ft. to 50 ft., 19c per ft. 50 ft. or over, 18c per ft.

The Tortoise Hose. A good standard make of 5 ply black hose. A fine grade of Hose for the price:
The Tortoise, $\frac{1}{2}$ in., in 25 or 50 ft. lengths, only10c per ft.
The Tortoise, $\frac{3}{4}$ in., in 25 or 50 ft. lengths, only12c per ft.

Plover Hose. A moulded hose of very good quality, any length. $\frac{3}{4}$ -in., per foot, 12c; $\frac{1}{2}$ -in., per foot, 10c.

Hose Washers. Universal, for either $\frac{1}{2}$ or $\frac{3}{4}$ inch hose. 5c doz.; 65c per lb.

SPRINKLERS, LAWN AND GARDEN

The Dewdrop. An 8 ft. galvanized lawn sprinkler and is in use in nearly every block in the city. A very satisfactory sprinkler. Each \$2.00.

The Brass Dewdrop. 7 ft. brass pipe, perfectly graduated with holes that makes a perfect spray. Does not rust. Fitted with substantial legs. Each \$2.00.

No. 26—Hudson's Hose Mender Set. This is very complete, including clamping pinches, copper bands and copper menders. Complete set 75c each. Hudson's extra bands. 10c doz.

No. 27—Thompson's Cap Fan Sprav. Very satisfactory sprayer. Each 20c.

No. 28—Thompson's 2 Slot Spray. Each 20c.

No. 29—Wilgus Fan Spray, with prong for setting in ground. Each 35c.

No. 33—Oakland. One of the best combination sprays on the market. By turning the fan over makes a straight stream. Each \$1.00.

No. 34—Boston Spray. An old favorite. Each 65c.

No. 36—Hose Mender Bands. Brass with screw clamp. Each 10c; 3 for 25c. Both sizes.

No. 37—Magic Hose Band. 2 for 5c; 25c dozen, in both sizes, $\frac{1}{2}$ to $\frac{3}{4}$.

No. 39—Hose Couplers. Brass. Per set, 25c. Both sizes.

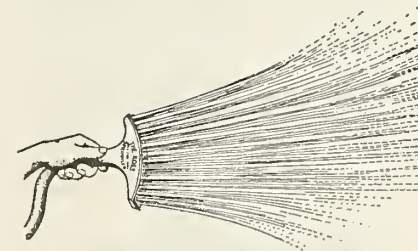
No. 40—Perfection Clinching Hose Menders. Has flange that mashes down over hose and holds securely. Each 15c. Either size.

No. 42—Perfection Clinching Hose Couplers. Strongest coupler made. Each 35c. Both sizes.

No. 46—Twin Sprinkler. An old popular kind. This one is brass lined. Each 35c.

No. 48—Thompson's New Model. A very fine spray, throwing water very evenly. Brass lined. Each 35c.

No. 50—Blakes Sprayer. These are for putting on high stand pipes. Each 45c. We have these in $\frac{1}{2}$ inch and $\frac{3}{4}$ inch pipe thread.



The Ross Sprinkler

No. 52—Wooden Hose Menders. 10c dozen. Both sizes, $\frac{1}{2}$ inch and $\frac{3}{4}$ inch.

No. 54—Brass Hose Menders. Corrugated. Each 5c; 6 for 25c.

No. 56—Cooper Hose Mender. Made of heavy brass and outlasts many pieces of hose. It is made with heavy barbs that hold the hose from separating. Each 10c. Both sizes.

No. 58—Iron Hose Mender. Both sizes. Each 5c; 6 for 25c.

No. 60—Boston Green House Rose. An old favorite for lawn or garden. Each \$1.00.

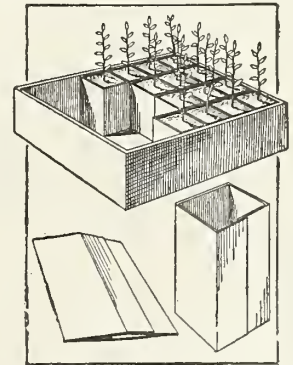
No. 62—C. B. G. Sprayer. "Cheap but good." Heavy cast iron. Each 35c.

No. 64—Hotchkiss Lawn with pin for sticking in ground. Each 65c.

No. 66—Hotchkiss with base, same as above but has large base. Each \$1.25.

No. 68—New Perfection Square Sprinkler. Extra heavy brass. Each 75c.

The Ross Sprinkler—(See Ills.) One of the finest hand sprinklers made, fits any hose coupling. Fine for new lawns, greenhouses or garden. Has broad spray and covers large area. Each 75c.



The Grant Paper Pot. Comes square in several sizes for different growing plants. Largely used for putting up young plants of vegetable and trees. This pot has no bottom in, merely of collapsible water-proof paper. Should be set in boxes or flats, fine for early Tomatoes or Egg plants.

PRICES—Net — Postage, Express or Freight at purchasers' expense.
2x2x4 (39 lbs. per 1000) 100, 50c; 1000 \$3.25.
2x2x6 (59 lbs. per 1000) 100, 75c; 1000, \$4.25.
3x3x6 (85 lb. per 1000) 100, 75c; 1000, \$5.00.

Paper Tree Protectors—and also the Yucca Protectors are always in stock; ask for prices, stating size and number wanted.

REDWOOD STAKES

These stakes are sawed from straight grained seasoned redwood. Painted green with good oil paint.

3 ft. $\frac{1}{2}$ in. by $\frac{1}{2}$ in., 40c doz.; \$2 per 100.

4 ft., $\frac{1}{2}$ in. by $\frac{1}{2}$ in., 50c doz.; \$2.40 per 100.

5 ft., $\frac{1}{2}$ in. by $\frac{1}{2}$ in., 60c doz.; \$3.00 per 100.

5 ft., 1 in. by 1 in., 85c doz.; \$5.00 per 100.

6 ft. $\frac{3}{4}$ in. by $\frac{3}{4}$ in., 70c doz.; \$3.50 per 100.

6 ft., 1 in. by 1 in., \$1.00 doz.; \$5.00 per 100.

Lawn and Garden Tools

GARDEN HARDWARE

Garden Hoes. We carry a large assortment of Garden Hoes, Shank Hoes with ferrule, from 60c to \$1.00. Socket ferrule hoes, 60c to \$1.20. 6 and 7-inch Warren Hoes.....85c
Irrigating, Mortar and Cotton Hoes
 7 to 9-inch Cotton Hoes90c to \$1.20
 8 to 10-inch Mortar Hoes are used extensively for irrigating. Socket and Shank design\$1.25 to \$1.45

Potato Hooks

Light 4 and 5-tine90c to \$1.25
 Extra heavy, 4 flat tines, strap ferrule\$1.25

Spading Forks

True Temper, 4 tine, strap ferrule, long handle 1.50
 D Handle \$1.60
 The above with plain ferrule, 15c cheaper.

Shovels

"Cortez" or "Stanley," cast steel..\$1.50
 Maynard's socket irrigating 1.80

Square Point Shovels

Long handles, Cortez 1.50
 D handle, Maynard socket..... 1.80

Spades

Long handle\$1.50
 D handle 1.50
 Maynard, long or D handle..... 1.80
 Maynard Balling, blade 6½x16 or 18 inches 2.25

Rakes

12 to 16 inches; various patterns,50c to \$1.20

KING NO. 6 BARREL PUMP

King No. 6 Barrel Pump complete.—This pump has ample capacity for two lines of hose, and two nozzles; to be attached in barrel head. Top casting has a door for filling. \$15.25.

Specifications

Cylinder—Diameter 2½ in.; length, 7 in. Heavy seamless brass tubing; 5-inch stroke.
Air Chamber—3 inches diameter, 30 inches long; steel tubing.
Valves—Bronze balls; inlet and outlet mounted in one cage; of ample capacity, and can be removed with common wrench.
Mounted in end of barrel with all castings, including cast filling door — brass outlet unions for two lines of hose.
Hose, Nozzle and Extension Rod—One 12 ft. ½ inch hose; one nozzle and 4 ft. extension rod; all ready for use, excepting barrel, which is extra, \$2.50.

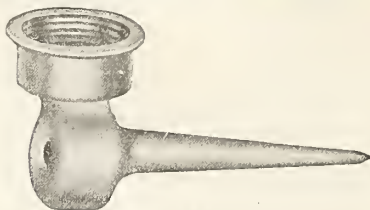
CULTIVATORS

Hall No. 6 With Plow, Hoe, Cultivator and Rake attachments, 24-inch wheel\$6.00
 Extra tooth cultivator attachment 1.00

PLANET, JR., CULTIVATORS

We Carry a Full Line of Planet, Jr. Hand Tools.
 Catalogue and Prices furnished upon application.

Brown's Lawn Sprayer—Cast iron; a cheap, but excellent lawn sprinkler; will work under low pressure and throw an even spray. Each postpaid, 25c.



Brown's Lawn Spray

THE HANDY GRAPPLE CART

Every farmer needs a Grapple Cart, and this cart is the simplest, handiest and strongest cart on the market. One that will pick up any ordinary barrel without any fixtures on the barrel. A boy can lift a barrel full of water and wheel it where desired. This cart is used in connection with one of our No. 6 King Pumps—making one of the handiest spray outfits on the market. Wheels are 36 inches high, 2½ inch face tires, all steel, with one-inch axle, and steel frame. Handy Grapple Cart, \$17.50.

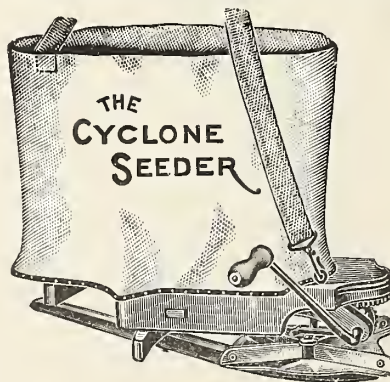


Dunham Water Ballast Roller

Dunham Water Ballast Roller, No. 7—Made of extra heavy sheet steel. Net weight about 125 lbs. and when filled with water weighs about 400 lbs., fine for lawn or tennis court. Each \$17.00.

Dunham Water Weight Roller, No. 3—14-inch diameter, length 20 inches. Each \$11.00.

Dunham Double-section Roller—Cast in two sections, on shaft, with balanced handle. Weighs 250 lbs. net. \$17.50.



The Cyclone Seeder—This seeder is a good cheap one and everyone seeding alfalfa should use something of the kind. This is so graduated that it will sow alfalfa, clover, turnips, millet or even barley or wheat. Each \$2.00 by express.

Cahoon Seeder—In every respect a first class seeder—recommended by all that have used them. They are used for sowing alfalfa and like

seed. They save the price if one sows any great quantity of seed. Each \$4.00 by express.

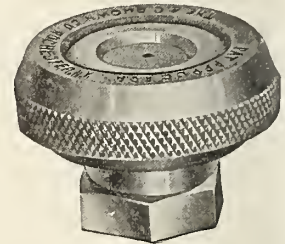


Norcross Cultivator

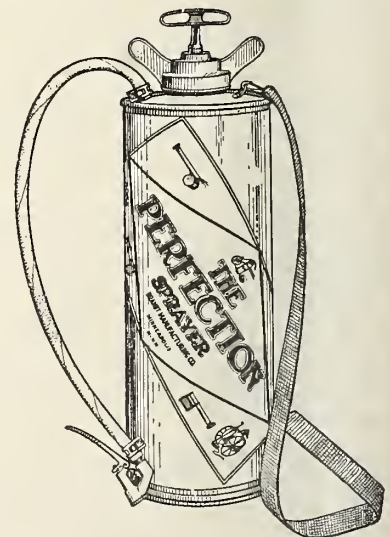
Norcross Cultivators. These are a very popular tool for loosening and cultivating the soil after irrigating. They are very easily handled, a child can pull them. They come in three sizes—short handled, 3-tined, long handled, 3-tine and 5-tine long handled. 50c, 75c and \$1.15.

NURSERY SUPPLIES

We carry a full line of twines, labels, balling spades, moss, etc., and solicit memo of your requirements, quantities, etc., and we will quote special prices.



Non-Klog Nozzle. The nozzles are of extra large capacity. While adopted for bucket pumps are especially good for high pressure. Two discs, fine and coarse. Female connection for ¼ in. gas pipe, 75c each.

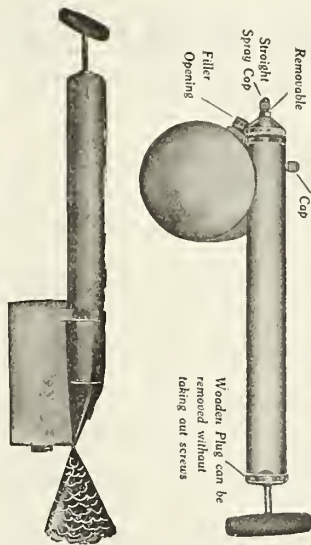


PARCEL POST

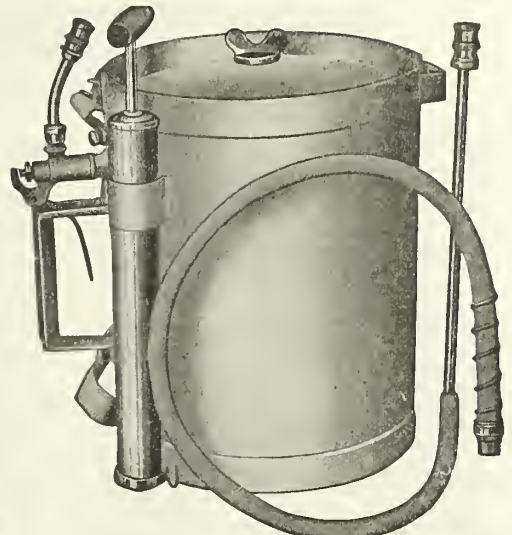
We would call your attention to back of order sheet for all conditions concerning postage. We ask you to send sufficient postage and if any surplus it will be refunded.



Misty



No. 2 Atomizer Auto No. 37



Lowell Compressed Air Sprayer

SPRAYERS AND SPRAY PUMPS

All Sprayers should be sent by express but the smaller ones can be sent by parcel post if necessary, at risk of purchaser. We will carefully pack for safest delivery possible. Postage to be paid by purchaser.

Misty Sprayer. A single action sprayer of heavy tin, made to fill calls for a low cost Sprayer to use in gardens, plant houses and for applying stock dips, fly poisons, etc. Not a cheap Sprayer, but a good Sprayer at a low price. Holds one quare. 60c each.

Auto-Spray No. 37. Continuous Atomizer. This pump operates continually. It will handle all solutions for spraying in the greenhouse, garden and poultry yard. The brass ball valve and syphon tube are easily removed in case the pump needs cleaning. It is furnished with both straight and angle spray caps. One and two quart sizes.

1 qt. all tin	\$.80
1 qt. tin pump, galv. tank .....	.90
1 qt. tin pump, brass tank	1.25
2 qt. tin pump, galv. tank	1.20
2 qt. tin pump, brass tank	1.65

Morris & Snow's No. 2 Atomizer. Tin a very useful small sprayer for chicken houses or small plants or trees. Single tube. Each 50c.

Morris & Snow's No. 4. Same as No. 2, except that it is filled with a Mason Glass Jar. Each 50c.

Modoc Bucket Pump. An all brass pump, plunger and valves; nothing to get out of order, and one of the most serviceable pumps on the market. Makes fine and coarse spray by simply reversing atomizer; furnished with 2½ ft. hose, to which an extension can be attached. 3 ft. extension rod, 75c; pump and hose only, \$5.00. Weight packed, 10 lbs.

Auto-Spray No. 1 compressed air sprayer is the strongest and most simple in its working parts. Two pumping of about fifteen strokes on the plunger will discharge the contents under high and constant pressure. After pumping the operator has nothing to do but direct the spray. This sprayer is equipped with our new patented

non-clogging nozzle. Shipping weight 15 lbs.

Galvanized tank	\$6.75
Brass tank	9.50

Auto-Spray No. 5. This is an all purpose hand sprayer to be used for insecticides, whitewash or disinfectants. It is made entirely of brass,

double acting. The pump cylinder is small in diameter and for that reason the operator can generate to high pressure with little effort. Auto-Spray No. 5, pump, hose, nozzle and strainer complete\$5.00
Galv. iron knapsack (for use on field crops) 3.00
Extension rod, curved50
Standard. Similar to the above but with larger chambers; very powerful. Guaranteed for 5 years. Price \$5.00
Standard extension rod brass.. .90

LOWELL

Lowell Compressed Air Sprayer.—No waste of liquid, the automatic valve is always closed except when touched lightly with the index finger. Holds three gallons. Fill two-thirds with liquid and pump air into it with all the pressure you can control. It is then ready to operate. There is a rubber extension to reach low and high plants, also a curved rod extension that a man standing can spray the under side of the leaves of small plants. One great merit of the sprayer is that the valve of the pump does not come in contact with the liquid which is the great weakness of other sprayers. Price without curved rod extension, \$7.00. Brass tank, \$9.00. Price of curved extension, \$1.00. Weight crated 20 lbs.

The Ideal. A powerful little pump mounted on wheel for handy moving. Sets in frame as handy as a wheelbarrow, furnished with a good lever in pump and agitator; fitted with 8-ft. hose and extension, rod and first-class spray nozzle. Price, complete, \$20.00. Weight, crated, 80 lbs.

Auto-Spray No. 40. Hand lever pump, mounted in 12 gal. galvanized iron tank on truck with 20-in. wheel. For handling all spraying and painting solutions. \$20.00.



Auto Spray No. 5

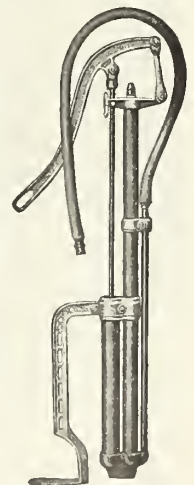


Perfection Air Sprayer. Will handle Whitewash, Water Paints, Bordeaux Mixtures, etc., perfectly. For whitewash and all heavy mixtures it is necessary to use a "W. W." Cap in nozzle, which is furnished with sprayers. These sprayers are made in galvanized steel or brass as ordered. Weight, 9 pounds empty. All sprayers tested to 60 pounds. Illus., page 61. Galvanized Steel, \$6.75. All Brass, \$8.50.

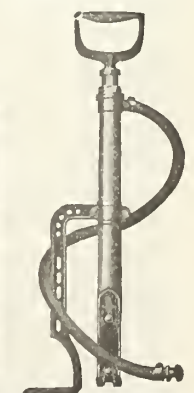
Meyer's Bucket Spray Pump. The Bucket Pump is carefully made throughout with brass cylinders, brass base and rubber valves; all working parts easy to get at. Each \$6.25, 3 foot extension rod, 40c extra.

Meyer's Bucket Spray Pump. With Pump handle very similar to above, except larger and more powerful. Each \$8.25.

NOTE—Long lengths of hose can be attached to this pump, for 2 man work and fitted with 6 or 8 foot extension rod, will do most any kind of work. Extension rods, 6 foot, 90c; 8 foot, \$1.15.



Myers Bucket Pump



Modoc Bucket Pump

INSECTICIDES AND FERTILIZERS

POISONS and LIQUIDS Are Not Mailable and Must Go By Express or Freight

"Black Leaf-40" is a concentrated solution of Nicotine-Sulfate. Nicotine in the form of "Sulfate" does not evaporate at ordinary temperature, whereas, free nicotine does evaporate. Therefore nicotine-sulfate is particularly desirable for all purposes requiring a strong nicotine solution possessing lasting properties. This is the strongest of all tobacco solutions for spraying outside.

1 ounce bottle, makes 6 gallons of spray, 25c; ½ lb. tin, makes 50 gallons of spray, 75c; 2 lb. tin, makes 200 gallons of spray, \$2.50; 10 lb. tin, makes 1000 gallons of spray, \$10.75.

"Nico-Fume" Liquid is a highly refined solution of free nicotine and is of exceptional purity. It is guaranteed to contain 40 per cent of nicotine by weight in water solution. It contains no alcohol, camphor or other chemicals or adulterants which might impair its efficiency or injure plants, and is especially well adapted to florists' general needs, both for fumigation and spraying purposes.

¼ lb. tin, price 50c; 1 lb. tin, price, \$1.50; 4 lb. tin, \$5.50, 8 lb. tin, \$10.50.

"NICO-FUME" PAPER

One of the easiest and most effective methods of fumigating greenhouses is to use "Nico-Fume" Tobacco Paper. This material consists of sheets of paper, treated with a definite amount of high-strength refined nicotine solution. Consequently, "Nico-Fume" Paper does not produce the harmful effects of tobacco smoke, the fumes of which are often injurious to plant life. "Nico-Fume" will be found especially suitable for fumigation of roses, chrysanthemums, carnations, ornamentals and, in fact, all cut flowers (except violets, which are sometimes susceptible to injury).

Can containing 24 sheets\$.85
Can containing 144 sheets 4.00
Can containing 288 sheets 7.50

Special quantity discounts on twenty-four, forty-eight and ninety-six gross tins. Write for particulars.

Corona Dry—A compound of dry arsenate of lead, for dusting or spraying. Highly recommended as a dusting powder, as an eradicator of leaf cutting insects—also corn worms. For corn worms apply over silk as soon as ear shows and repeat in 10 days. This is the most convenient preparation of its nature we have found. (Poison) not mailable. ½ lb. 40c; 1 lb. 60c; 5 lbs. \$2.75; 10 lbs. \$5.00.

Corona Hand Duster. A powder bellows. The best duster for sulphur, Corona Dry, etc. Each \$2.75, f. o. b. Los Angeles.

Slug-Shot. Destroys insects injurious to house and garden plants, vegetables and fruits of all kinds; also poultry lice; as effective as Paris green without the danger from poisoning. 1 lb. 20c; 5 lb. pkg. 65c. Postage extra.

Tobacco Dust. The most economical form to use tobacco as an insecticide, fatal to green and black fly and similar garden pests, by simply dusting over the plants. If dug around the roots will keep away many pests below ground and insure health to the plants, 15c per lb.; if by mail add Parcel Post rates. Ask for price in quantity.

Sulpho-Tobacco Soap—A highly concentrated article for cleaning plants of scale or insects; very effective; comes in the following sizes: 3 oz. cake, 10c; 8 oz. cake, 20c; 10 lb. bar, \$3.00. If to go by post add 1c for small size, 5c for 8 oz. and for 10 lbs. see parcel post scale on front page.

Paris Green. In cans, ½ lb. 30c; 1 lb. 50c.

Whale Oil Soap. A soap made especially for spraying plants infested with scale or lice. 1 lb. can 25c. Postage add 10c. 5 lbs. \$1.15. Postage extra.

Bordeaux Mixture. (Liquid). Ready for use by simply adding water. 1 gallon will make 50 gallon liquid, 1 qt. 60c; 1 gallon \$1.25. Ask for price in quantity.

Arsenate of Lead. For spraying to kill eating insects. 1 lb. can 35c; 5 lbs. \$1.25.

Kerosene Emulsion. Used as a summer wash against scale and highly recommended for destroying all kinds of plant life and aphids. Ready for use by simply adding water. 1 qt. makes 10 gallons of spray. Quart cans 50c, by express. Ask for price in quantity.

Resin Wash, Concentrated. For spraying or dipping trees; highly recommended by the Horticultural Commissions for black, red and other scale and all insect life. Dilute with water and it is ready for use. Ask for prices by the barrel.

Resin-Wash—1 lb. 25c; 2 lbs. 40c; 4 lbs. 75c. Can go by post at zone rate.



TREE TANGLEFOOT

To prevent insects and pests from climbing into trees and shrubs.

Tanglefoot—1 lb. 50c; 3 lbs. \$1.45.
Tanglefoot—10 lbs. \$4.50; 20 lbs. \$8.75.

FERTILIZERS

The value of Commercial Fertilizers to the market gardener cannot be overestimated. Compared with the results secured by the use of Fertilizers, their cost is insignificant. They greatly increase not only the yield, but also its quality, they push the crops rapidly forward to maturity, getting them into market early, and thus insuring a better price. Freight or Express.

We handle and recommend **Bradley's Complete Fertilizers** for garden, field or orchard. 100 lb. bags, \$3.50. Special prices on large quantities. When inquiring state for what crop it is to be used.

BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. It is made from bone accumulated in large slaughter

houses, and should not be compared with the Bone Meal made from cattle heads and feet, gathered upon the Western prairies. Our Bone has been slightly steamed to soften it and is thus quicker in its action. Per 3 lb. pkg. 25c; 10 lbs. 50c; 100 lbs. \$3.50. Larger quantities priced on application.

Sheep Manure. Fine ground, specially prepared for flower and vegetable garden use; a strong and safe fertilizer, strong in nitrogen and highly recommended for growth in flowers and vegetables. 100 lbs. \$1.75.

NITRATE OF SODA, OR CHILE SALT PETER

Nitrate of Soda is not a substitute for other manures, but we recommend it is the cheapest and best form in which to apply Nitrogen to plants. 15c lb., 4 lbs. 50c; \$6.00 per cwt. Nitrate cannot be sent by mail.

GOPHERGO is the best exterminator of gophers, squirrels, prairie dogs, rats and mice and all rodents ever put on the market. It is the only thing that will get a pocket gopher and will kill ten where a trap will get one. A wonder for cleaning gophers out of alfalfa, beet, truck and orchard land. It is cheap, ready and easy to use, never loses strength.

35c can6 ozs.
65c can1½ lbs.
\$1.00 can3½ lbs.
\$3.00 bucket10 lbs.

SQUIRREL AND GOPHER POISON

KILL QUICK Squirrel and Gopher Poison.—A first class speedy and effective remedy for cleaning out all like rodents. Comes in 3 size pkgs. No. 1 size 25c, postage 10c; No. 2 size 50c, postage 15c; No. 3, 5 gal. cans, \$3.75, by express or freight collect.

Thermometers—Incubators, Soil, Registering and House. We carry a complete line of these, ranging in price from 25c to \$5.00. If interested let us figure with you. Tell us your wants.

YUCCA TREE PROTECTOR

Just the thing with which to protect the young trees and shrubs from the rays of the hot summer sun, from rabbits and other injury, being cheap and serviceable. By freight or express.

Size	Per 100	1000
30 in. long, 7 in. wide....	\$2.25	\$21.00
24 in. long, 7 in. wide....	2.00	18.00
18 in. long, 7 in. wide....	1.75	15.00
16 in. long, 7 in. wide....	1.60	13.50
14 in. long, 7 in. wide....	1.40	12.00
12 in. long, 7 in. wide....	1.25	11.00
10 in. long, 7 in. wide....	1.15	10.00

POTATOES

We handle all the leading market varieties, but owing to the constant fluctuation in the market prices, we cannot make price. We can supply the Bliss, Triumphs, Burbanks, White and Early Rose, and if interested, kindly note quantity wanted and we will quote price.

POULTRY SUPPLIES

All the Following Items Net at Store—Except Where Noted

We carry a full line of poultry supplies. But for lack of space only list some of the more staple articles.

JUMBO INSECT POWDER GUN

Designed to distribute any fine powder. Very useful in dusting poultry, or blowing powders into cracks and crevices. Less waste and easier than sifting from can. Price at store, 25c; postpaid, 30c.

POULTRY FOUNTAINS

Galvanized or Stone

These are made in 2 pieces—fountain and base. 1 quart, 25c; 2 quart, 35c; 1 gallon, 45c.

EGG CASES, ETC.

Egg Cartons—Made of heavy tag board. Holds 1 dozen eggs. 15c per doz.; \$1.00 per 100.

Humpty Dumpty Egg Carrier—The best, cheapest and most convenient wooden egg carrier made. Holds twelve dozen eggs. Uses same cardboard filler as other egg cases. Shipped knocked down folded into very small space. Price, complete with fillers, each 75c.

PORCELAIN NEST EGGS

2 for 5c; dozen, 25c.

FLAT ALUMINUM MARKING BANDS

For poultry in the show room and breeding pen. Simple, secure and easy to adjust to any size leg, and when adjusted will stay on as long as required.

12—15c; 25—25c; 100—80c; postpaid.

PETTEY'S PERFECT POULTRY PUNCH

All steel, nickel plated, punches a clean hole, not too large for chicks. Price, 25c.

ROUND ALUMINUM LEG BANDS

Made of thick round aluminum wire, flattened where the number is placed. Easy to put on. Numbered 1 to 100. Made in three sizes; state the breed you want them for. 12—20c; 50—75c; 100—\$1.25; postpaid.

Round Aluminum Leg Bands, without numbers, otherwise same as above; 12—10c; 25—20c; 100—60c.

Celluloid Leg Bands, in assorted colors and sizes. 100—85c, postpaid.

Lee's Line

Lee's Liquid Lice Killer, one of the best and most effective insect destroyers on the market. Quarts, 45c; ½ gal, 75c (by express); not mailable.

Lee's Lice Powder for dusting on fowls to rid them of mites. 1½ lb. pkg., 25c; 3½ lbs., 50c. Postage extra.

Lee's Gormozou, acknowledged as being the best tonic and poultry remedy on the market. Bottles (Liquid), 25c and 50c. Cannot be posted.

Lee's Eggmaker and Chickgrower should be fed with mixed fine foods once a day. 2½ lb. pkgs., 30c; 3½ lb. pkgs., 60c. Postage extra.

Dr. Hess's Pauanca, an excellent conditioner. Pkg., 30c and 60c.

Dr. Hess's Lice Destroyer. Pkg., 1½ lbs., 25c.

A. R. M. Brand Lice Killer—Cresy-Lol and Carbolinum in various sizes from 50c up. Sent by express only.

Besides the remedies and insect destroyers we carry a full line of **Poultry Feeds**, such as Beef Scraps, Blood Meal, Ground Bone, Chili Pepper, Grit, Ground Oyster Shell, Soya Bean Meal, Shorts, Bran, all kinds of grains ground or whole, Baby Chick Feed, Growing Feed and Scratch Feed, on which we are always glad to quote current prices. Write to us.

A FEW SUGGESTIONS

FOR FLORISTS, CUT FLOWER GROWERS AND MARKET GARDENERS

The following list of plants will suggest such varieties and classes as are suitable for this purpose and we will be pleased to assist all interested in this line at any time. With our thirty years and over of practical experience, in every branch of agriculture, horticulture and floriculture in Southern California, we feel we can be of service to you. We have watched the failures and successes in these branches and have watched in every way for improvement of varieties and species, as well as keeping a close watch for such things as will be useful for the florist trade and market gardener to improve their condition.

Our florist varieties and market gardener strains of everything pertaining to their needs, are carefully selected, and we believe, the choicest and purest strains that are to be had, irrespective of price, on the market. Our facilities for growing, or having grown especially for our trade are unsurpassed and under our personal supervision in most instances, and in soliciting new customers for our seeds we feel confident of our ability to satisfy the most exacting requirements.

TO OUR OLD CUSTOMERS, we thank you for your trade and hope we have merited your continued patronage.

Asters. One of the most important upright branching and Kings as the best classes for cut flowers. Our **New American Beauty** is for quality and quantity of bloom, the finest aster introduced. In fact all the colors in these classes will produce a good cut of fine long keeping flowers.

Antirrhinums (Snap Dragons). Of these we have all the popular shades such as Silver Pink, Venus, White, Yellow and Reds, both in the giant type, semi-tall and dwarf.

Centaurea Imperialis (Giant Sweet Sultan). In Rose, Lavendar, White and Yellow.

Annual Chrysanthemums (Painted Daisies). In six or eight of the choicest varieties.

Cosmos. Our new double strains are equal of anything on the market.

Galliardias. Our Giant Hybrids always give satisfaction.

Gypsophila, **Elegans Grandiflora Alba**, **Rosea** and **Paniculata** are excellent for cutting.

Linaria. The **Excelsa** strain produces a mass of good small flowers serviceable for its dainty effect with other flowers or as a bouquet by itself.

Myosotis (Forget-me-not). The **Semperflorens** and **Robusta** are excellent.

Mignonette. Our florist strain of **Mochet** is unsurpassed, having compact head and long stems.

Rhodanthe and **Xeranthemums** as everlasting are recommended.

Senbiosa. Our new **Lavender "Exposition"** is the clearest Silver Lavender we have seen, entirely free of the pink tinge.

Schizanthus - Wisetonensis (improved) is fine either as cut or for pot culture.

Stocks. The **"Nice"** strains or **Giant Perfections** are both perfect in form and high percentage of doubles.

Sweet Peas. Winter Flowering **Spencers**, or our specially selected strains of summer flowering **Spencers**, will fill any requirement. All grown by a specialist under our supervision.

Zinnias. Our **Superb Giant Strain**, which are by selection greatly improved over the original introduction. Space will not permit of further list but we carry every leading variety.

Our Special Market Gardeners Strains of many vegetables are the best strains procurable. When in the market for any seed we will be pleased to assist all in their selection of varieties for their particular needs.

Our Special Strain of Chinese Giant Pepper is unsurpassed for purity and character.

Our Special Strain of Pluminto Pepper is also of our original introduction and the largest and most meaty variety yet introduced.

Our New Columbus Casaba we believe to be a great advance among this popular class of Melons, and its advantage being of deep salmon flesh, making it most popular as a market melon.

Our Gray Seeded Kentucky Wonder Bean. The largest and most showy of all Kentucky Wonders.

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For Seeds, Plants, Bulbs, Etc.

Please send the following goods as per address and instructions herewith,
and for which find enclosed \$.....

To (Name)
(Miss or Mrs.)

City County

No. _____ State _____
(R. F. D. or Street)

Express or Freight Station.....

Date State your preference by Post,
Express or Freight.

We give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any Seeds, Bulbs or Plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

MORRIS & SNOW SEED CO.

On an order amounting to not less than \$1.00 remitted for seeds in packets or ounces, if accompanied by this coupon order sheet, you may select additional seeds in packets and ounces only to the amount of 25c.

This coupon is good **only** for seeds in packets and ounces, and not on orders for plants, hardware, bulk seed and other goods.

Good only for the year 1918.

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EXTRA ORDER SHEETS AND RETURN ENVELOPES FURNISHED ON REQUEST

NAME OF ARTICLE WANTED

Brought forward

POSTAGE

Garden Seeds priced by the packet, ounce, one-fourth pound and pound are postage paid. Peas, Beans, Onion Sets, Corn, Grass and Field Seeds and Sundry Articles are not postpaid. In ordering one pound lot, add ten cents per pound for postage and packing, and on larger quantities apply parcel post charges.

DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.
within the U. S. and Possessions

	First pound or fraction	Each additional pound or fraction
First Zone, Los Angeles or 50 miles thereof	5c	1c
Second Zone, within 50 to 150 miles	5c	1c
Third Zone, within 150 to 300 miles	6c	2c
Fourth Zone, within 300 to 600 miles	7c	4c
Fifth Zone, within 600 to 1000 miles	8c	6c
Sixth Zone, within 1000 to 1400 miles	9c	8c
Seventh Zone, within 1400 to 1800 miles	11c	10c
Eighth Zone, all over 1800 miles	12c	12c

Please do not ask questions on this Order Sheet, but kindly write them and all communications requiring an answer on a separate sheet of paper and inclose with your order. Be sure that your Full Name and Address are on Both Letter and Order.

This space is for remarks about your order.

Would appreciate list of your neighbors interested in good seed.



This Lawn was seeded down with our high-grade seed. Critical buyers know and use our seed.

CLOVER AND GRASS SEEDS

Australian Rye Grass. A fine grass for quick lawn; should be sown very thick and will produce a fine lawn, withstanding drought much better than Kentucky Blue and making sod more quickly, but is a little more coarse in its growth. Lb. 20c. Postage extra.

White Clover. The best variety for lawn purposes, making a fine even lawn. There is a great variety of grades of this seed; some adulterations and others impure, which makes a great difference in price. We are procuring at all times the purest that money can buy. Lb. 65c. Ask for special price on quantities. Postage extra.

Shady Lawn. A grand grass for sowing under trees, where no other grass will succeed. It makes a beautiful velvety lawn; grows much finer in leaf than Blue Grass and will stand in quite dense shade. Lb. 75c, postpaid 85c.

Blue Grass (Kentucky). What we have just said concerning clover we repeat in connection with this fine grass. To meet competition many have added mixtures to give weight and reduce its cost, and thus are able to sell cheaper. We challenge anyone to show finer or cleaner stock than ours. Ask for price on large amounts. Lb. 40c, postpaid 50c.

LAWN FERTILIZERS---High Grade

25 lbs. 90c; 50 lbs. \$1.75; 100 lbs. \$3.25

Lawn grass is a voracious feeder and will not thrive and hold its beautiful dark green color and velvety appearance unless it receives a sufficient supply of suitable food. Because so few appreciate this fact is the reason there are so many poor, rusty-looking lawns. Stable manure is unpleasant to handle, ill-looking and decidedly odorous, and is also full of waste material. It contains weed seeds which are obnoxious, and it often takes years to eradicate the weeds. All these objections are obviated by the use of our **Lawn Fertilizer**, and if our **Lawn Seed** is used there is no excuse for a bad lawn. If the lawn is in fair condition it is only necessary to rake off the dead leaves and grass in the early spring and scatter broadcast over its surface some of our **Lawn Fertilizer** with a little of our **Lawn Seed** over the thin spots and the work is done.

DIRECTIONS FOR USE—The first application should be made in the Spring, at the rate of 50 pounds of fertilizer to every 1,000 feet of lawn, evenly distributed. For seeding down a new lawn scatter 75 pounds of fertilizer broadcast on every 1,000 square feet, and rake it in thoroughly before sowing the seed.

HINTS FOR MAKING AND CARING FOR LAWNS

The first thing is to have the soil well spaded up and pulverized. On places where soil has been filled in, or places where no crop of any kind has been raised for a number of years, it is advisable to spade up the ground, pulverize it and rake and water regularly, just as if the lawn had been seeded; this will start the seeds of all weeds that have been lying dormant for years, awaiting enough moisture to germinate. If salt grass or devil grass shows up pull it up, every bit of it. It will save lots of work afterward. If soil contains much devil grass it will pay to cart off the whole surface down to about two feet, and haul good loam in its place. If only ordinary weeds come up, spade them under. Repeat the operation about three weeks afterwards. This will bring the soil in fine condition and save much time and money spent on pulling weeds. Use plenty of good seed. Blue Grass one pound for every 200 square feet; Clover one pound for every 250 square feet. If Blue Grass

and Clover are used, it is advisable to go over the ground twice, once with Blue Grass and once with Clover. This is done in order to have the Blue Grass and Clover seed uniformly spread all over the surface. Rake the seed in well, and cover very lightly with screened manure. Great care should be taken in selecting manure for lawns; the manure most suitable is horse or cow manure that has been piled up and heated at least 60 days before being used on a lawn. When manure is piled up it begins to heat and seeds of any kind that are mixed in, begin to sprout; the manure gradually increases in heat until it gets so hot that any kind of plant or weed mixed in with it, will burn up.

It has been a practice around Los Angeles for teamsters to go to any corral, screen the manure, load it up and sell it for lawn purposes. This accounts for so many lawns where more weeds than grass come up, and especially for lawns where devil grass predominates. Almost all alfalfa fields in this region have devil grass growing in

them. This grass goes to seed about the time alfalfa is high enough to cut; it is fed to the cows mixed with alfalfa, and is in a perfect state of preservation when picked up with the manure and put on the lawns.

In places where the lawn is steep burlap is used to good advantage to cover the ground after sowing. It not only prevents the surface of the ground from drying, but it keeps the seeds from getting washed out by the frequent waterings that have to be given in such places.

Watering a new lawn must be done with great care. A fine Rose nozzle should be used to apply the water and it should always be done in the evening or morning.

Having had for a great many years personal experience in the making of lawns in this vicinity, we appreciate the fact that good seed is absolutely necessary for starting a lawn. Our **Blue Grass Seed** is the very best grown in Kentucky, where no trace of salt grass is to be found. Our **Clover Seed** is free from all weeds.



PHOTO OF OUR GIANT ZINNIA—ACTUAL SIZE—IN MANY COLORS—See Page 43.

MORRIS & SNOW SEED COMPANY
439 SOUTH MAIN STREET LOS ANGELES, CALIFORNIA